

Kentucky All Schedule Prescription Electronic Reporting

Quarterly Trend Report 1st Quarter 2016

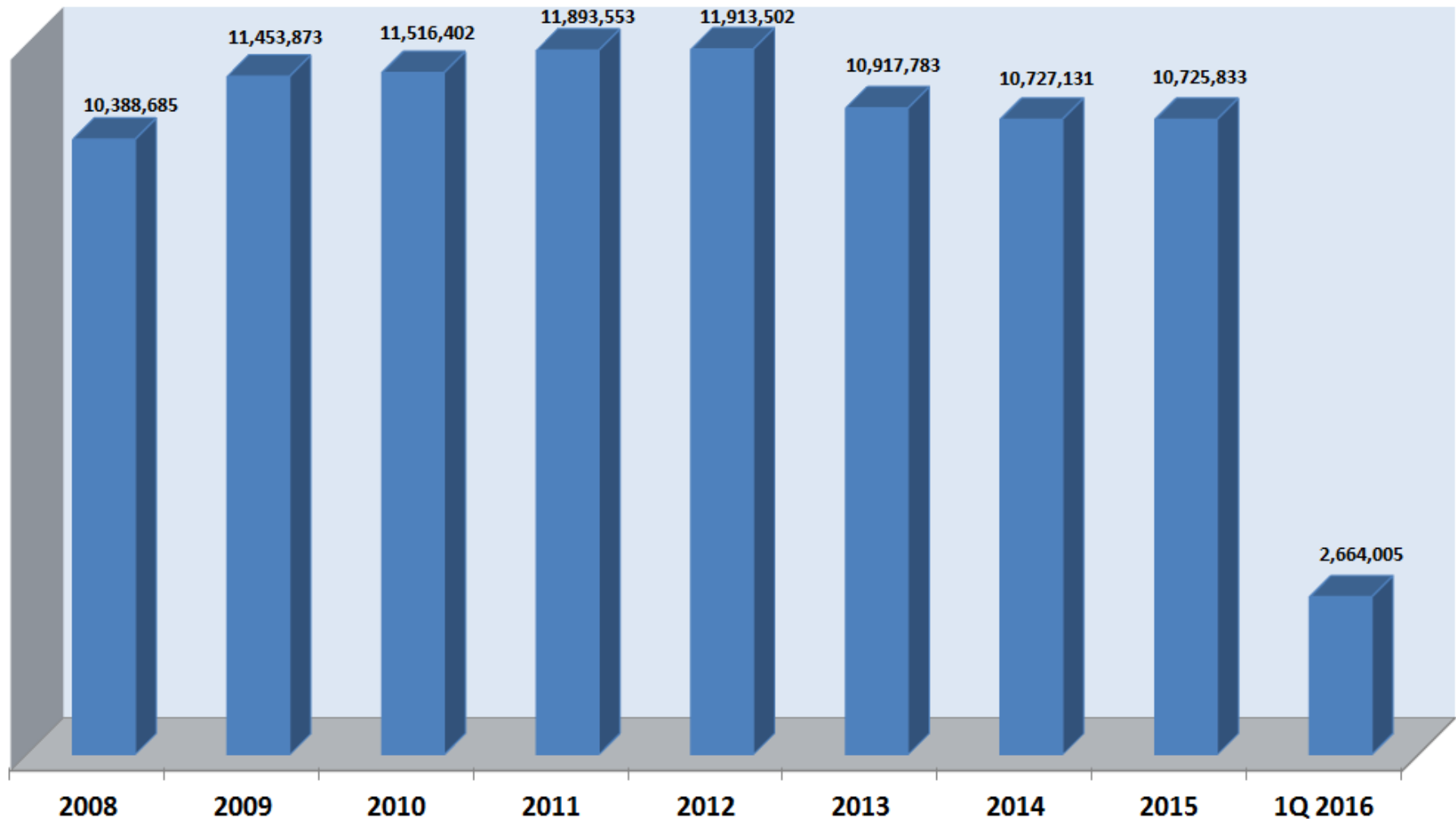
Cabinet for Health and Family Services
Office of Inspector General
275 E. Main Street
Frankfort, KY 40621



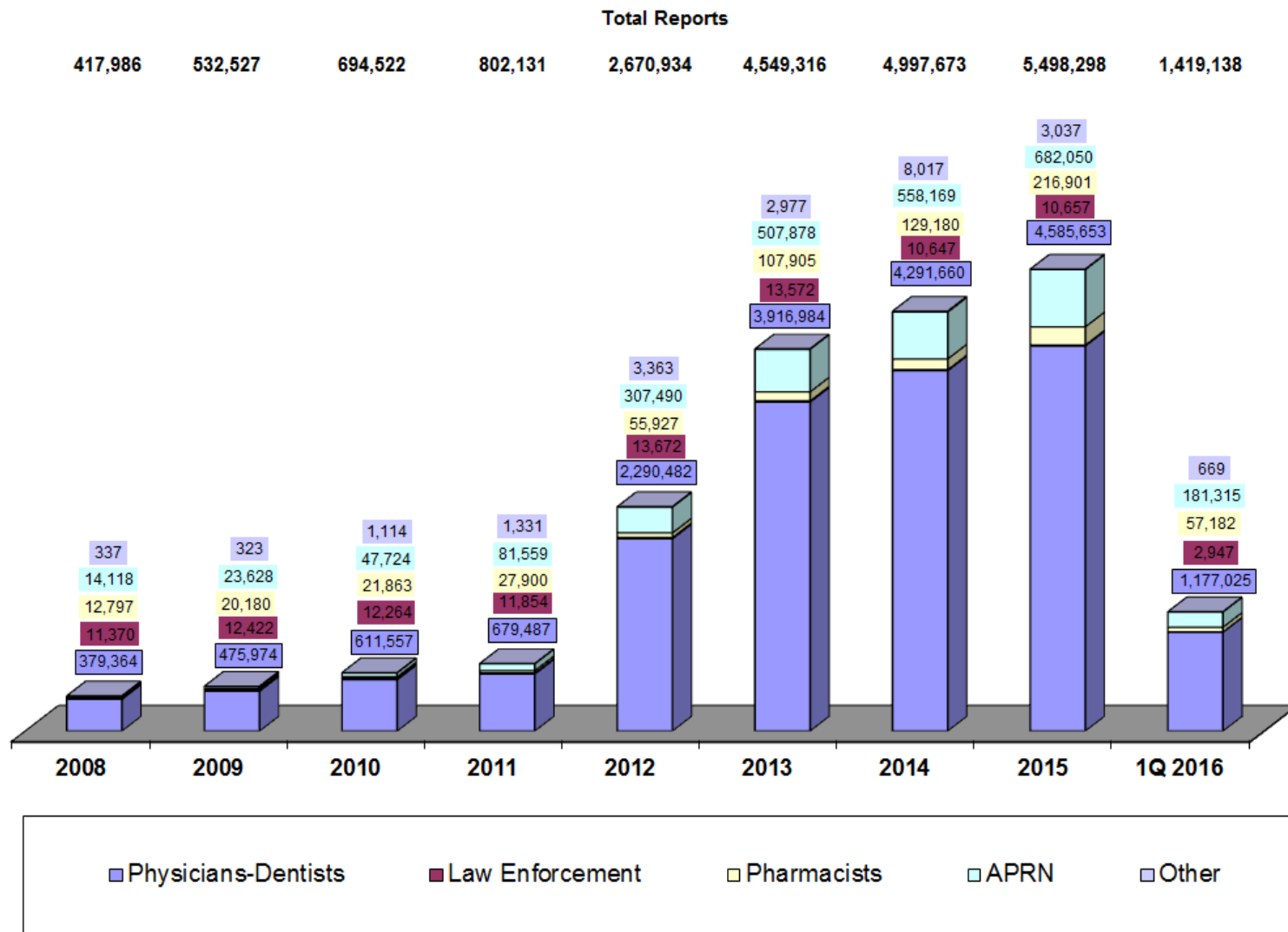
Please note: new KASPER trend report data

Beginning with this KASPER trend report for the first quarter of calendar year 2016, the report will include county level rates of patients receiving a seven day or more supply of overlapping opioid and benzodiazepine prescriptions, and patients receiving a Morphine Equivalent Dose (MED) of 100 milligrams per day or greater. The KASPER Advisory Council has established 100 MED per day as a level above which a patient may be at a higher risk of drug overdose.

KASPER Records Added 2008 – Q1 2016



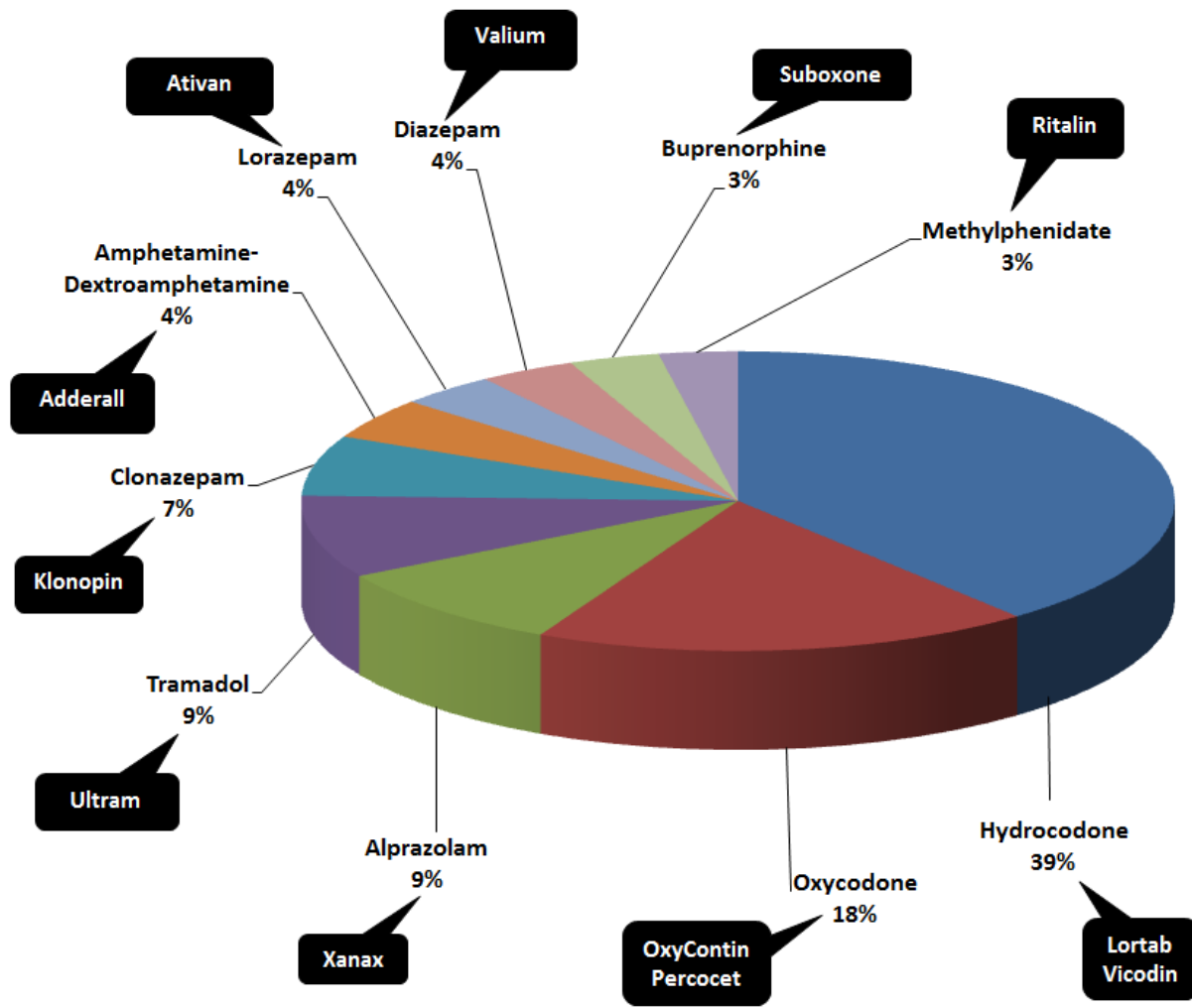
KASPER Reports Requested 2008 – Q1 2016



Cabinet for Health and Family Services



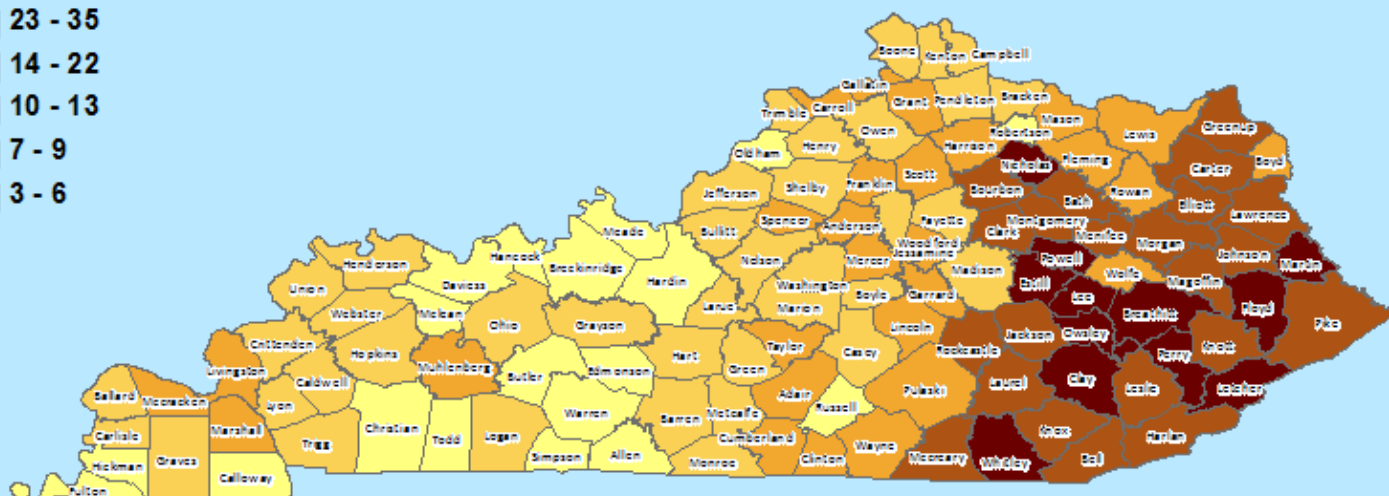
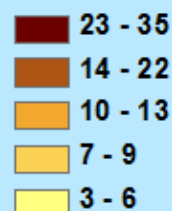
Top Prescribed Controlled Substances by Therapeutic Category by Doses – Q1 2016



Opioid Morphine Equivalent Dose (MED) Data Q1 2016

Rate of Patients Receiving Daily MED ≥ 100 per 1,000 Residents by Patient Address

Rate per 1,000 by Patient Address
Quarter 1 (Jan 01 - Mar 31) 2016








0 15 30 60 90 120 150
Miles

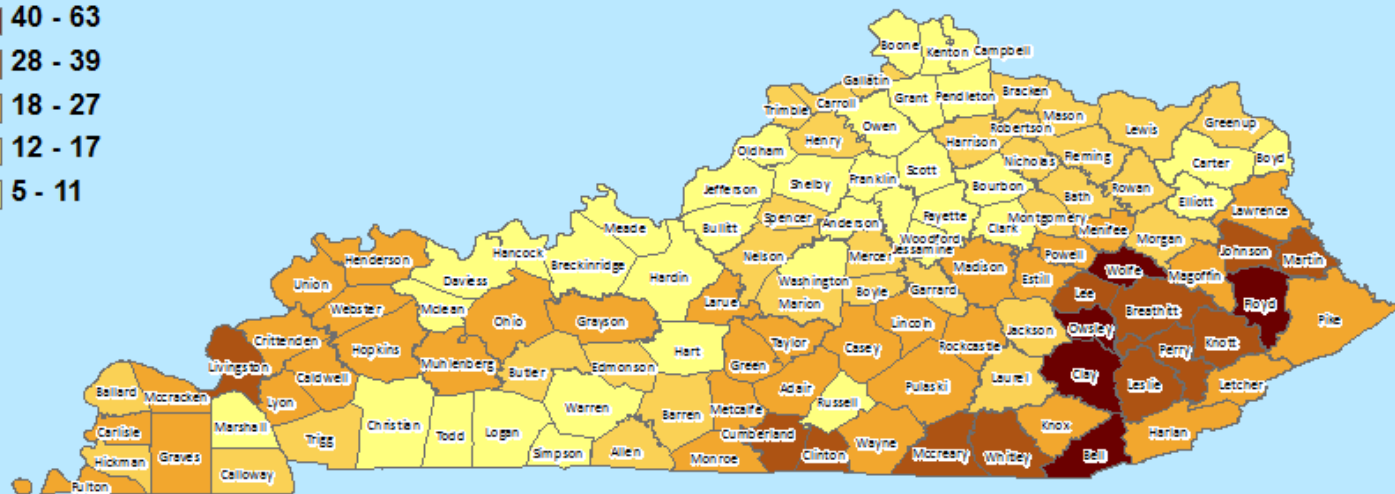


Opioid Morphine Equivalent Dose (MED) Data Q1 2016

Rate of Patients Receiving Daily Morphine Equivalent Dosage >= 100 per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	11	EDMONSON	5	KNOX	18	NICHOLAS	23
ALLEN	6	ELLIOTT	17	LARUE	8	OHIO	7
ANDERSON	12	ESTILL	24	LAUREL	15	OLDHAM	5
BALLARD	6	FAYETTE	6	LAWRENCE	19	OWEN	8
BARREN	7	FLEMING	10	LEE	26	OWSLEY	34
BATH	19	FLOYD	27	LESLIE	22	PENDLETON	8
BELL	19	FRANKLIN	9	LETCHER	24	PERRY	30
BOONE	8	FULTON	4	LEWIS	12	PIKE	16
BOURBON	17	GALLATIN	11	LINCOLN	12	POWELL	27
BOYD	11	GARRARD	12	LIVINGSTON	10	PULASKI	12
BOYLE	9	GRANT	9	LOGAN	6	ROBERTSON	4
BRACKEN	9	GRAVES	6	LYON	6	ROCKCASTLE	16
BREATHITT	27	GRAYSON	7	MADISON	8	ROWAN	13
BRECKINRIDGE	4	GREEN	7	MAGOFFIN	19	RUSSELL	4
BULLITT	7	GREENUP	18	MARION	7	SCOTT	10
BUTLER	5	HANCOCK	4	MARSHALL	12	SHELBY	7
CALDWELL	7	HARDIN	5	MARTIN	35	SIMPSON	6
CALLOWAY	5	HARLAN	19	MASON	10	SPENCER	10
CAMPBELL	8	HARRISON	11	MCCRACKEN	10	TAYLOR	12
CARLISLE	6	HART	7	MCCREARY	22	TODD	3
CARROLL	9	HENDERSON	7	MCLEAN	6	TRIGG	6
CARTER	19	HENRY	8	MEADE	4	TRIMBLE	7
CASEY	9	HICKMAN	3	MENIFEE	18	UNION	6
CHRISTIAN	3	HOPKINS	8	MERCER	10	WARREN	5
CLARK	17	JACKSON	15	METCALFE	9	WASHINGTON	8
CLAY	25	JEFFERSON	6	MONROE	9	WAYNE	10
CLINTON	10	JESSAMINE	12	MONTGOMERY	22	WEBSTER	8
CRITTENDEN	8	JOHNSON	21	MORGAN	16	WHITLEY	27
CUMBERLAND	13	KENTON	7	MUHLENBERG	12	WOLFE	12
DAVISS	3	KNOTT	19	NELSON	8	WOODFORD	8

Opioid and Benzodiazepine 7-Day Overlap by Patient Address

 40 - 63
 28 - 39
 18 - 27
 12 - 17
 5 - 11



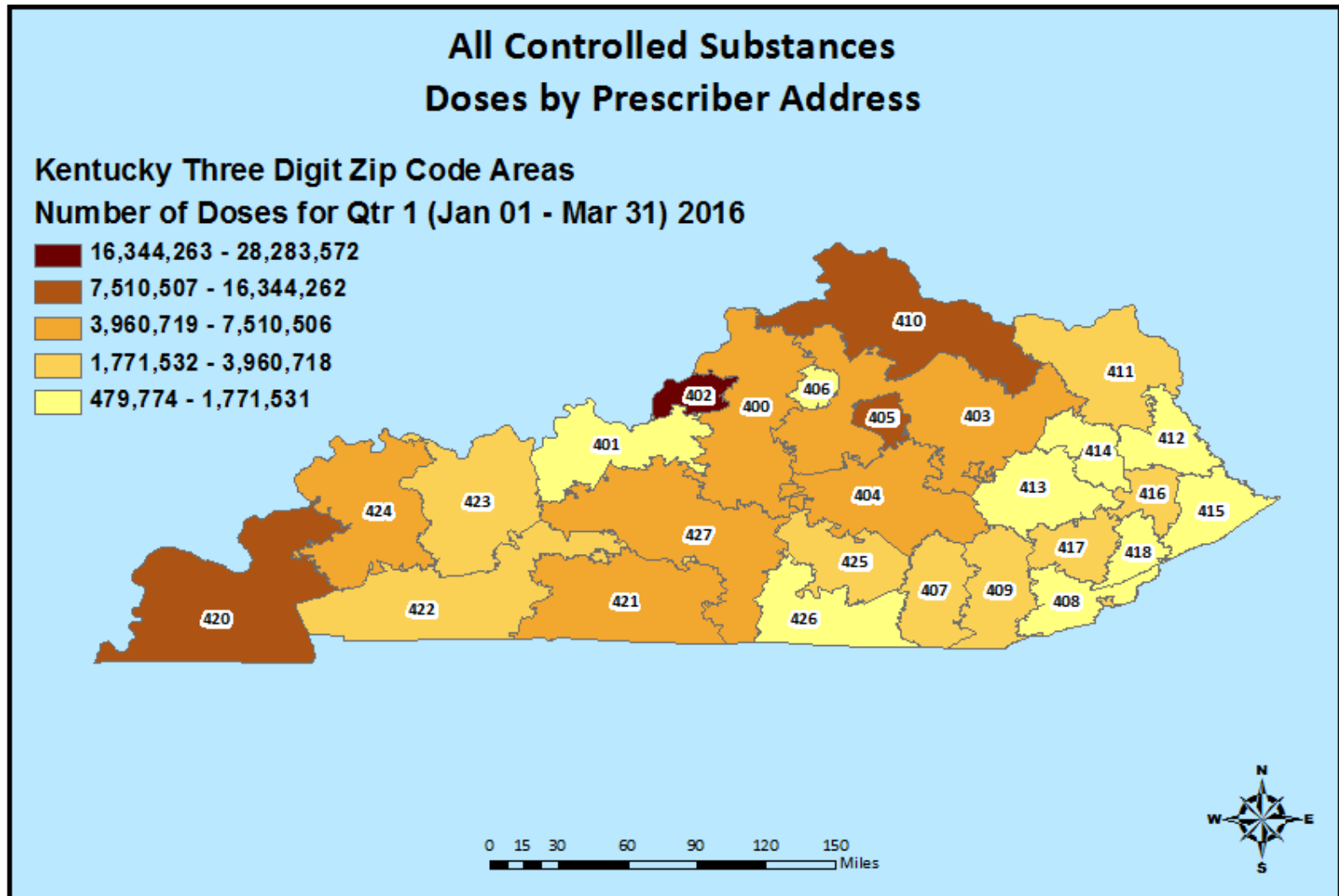
Mode of Transport	Miles
Car	15
Bus	30
Train	60
Plane	120



Patients with Seven or More Days of Overlapping Opioid and Benzodiazepine Prescriptions Q1 2016

Rate of Patients With at Least a 7-Day Overlap of Opioids and Benzodiazepines per 1,000 for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	21	EDMONSON	14	KNOX	27	NICHOLAS	14
ALLEN	15	ELLIOTT	11	LARUE	17	OHIO	20
ANDERSON	11	ESTILL	19	LAUREL	17	OLDHAM	6
BALLARD	16	FAYETTE	5	LAWRENCE	20	OWEN	9
BARREN	14	FLEMING	13	LEE	34	OWSLEY	43
BATH	12	FLOYD	41	LESLIE	37	PENDLETON	10
BELL	63	FRANKLIN	9	LETCHER	19	PERRY	31
BOONE	8	FULTON	19	LEWIS	13	PIKE	19
BOURBON	10	GALLATIN	13	LINCOLN	21	POWELL	24
BOYD	6	GARRARD	15	LIVINGSTON	30	PULASKI	18
BOYLE	16	GRANT	11	LOGAN	10	ROBERTSON	13
BRACKEN	14	GRAVES	20	LYON	18	ROCKCASTLE	23
BREATHITT	38	GRAYSON	25	MADISON	20	ROWAN	12
BRECKINRIDGE	11	GREEN	18	MAGOFFIN	17	RUSSELL	9
BULLITT	10	GREENUP	12	MARION	12	SCOTT	8
BUTLER	15	HANCOCK	8	MARSHALL	8	SHELBY	9
CALDWELL	17	HARDIN	8	MARTIN	39	SIMPSON	11
CALLOWAY	16	HARLAN	21	MASON	14	SPENCER	13
CAMPBELL	9	HARRISON	14	MCCRACKEN	24	TAYLOR	18
CARLISLE	20	HART	10	MCCREARY	28	TODD	7
CARROLL	17	HENDERSON	21	MCLEAN	7	TRIGG	14
CARTER	9	HENRY	14	MEADE	6	TRIMBLE	13
CASEY	25	HICKMAN	12	MENIFEE	17	UNION	23
CHRISTIAN	7	HOPKINS	19	MERCER	14	WARREN	9
CLARK	11	JACKSON	12	METCALFE	23	WASHINGTON	9
CLAY	44	JEFFERSON	9	MONROE	24	WAYNE	20
CLINTON	35	JESSAMINE	9	MONTGOMERY	12	WEBSTER	22
CRITTENDEN	25	JOHNSON	35	MORGAN	15	WHITLEY	33
CUMBERLAND	33	KENTON	8	MUHLENBERG	22	WOLFE	40
DAVIESS	7	KNOTT	31	NELSON	11	WOODFORD	7

Controlled Substance Prescribing Q1 2016



Controlled Substance Prescribing Q1 2016

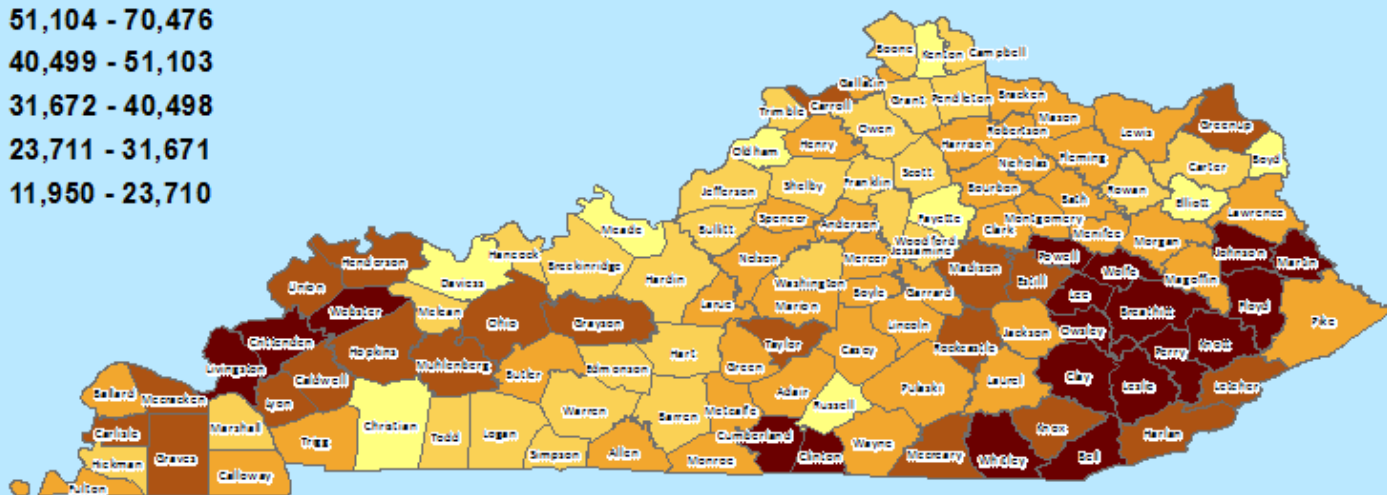
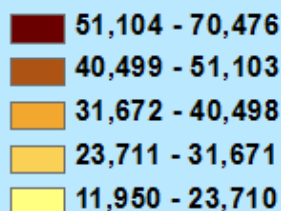
3 Digit Zip	Doses By Prescriber Zip-Actual Number of all Controlled Substances for Quarter 1, 2016
400	4,774,623
401	1,553,981
402	28,283,572
403	7,510,506
404	5,232,687
405	16,344,262
406	1,324,174
407	3,960,718
408	814,187
409	2,964,881
410	12,502,876
411	3,763,085
412	1,760,605
413	1,771,531
414	479,774
415	1,376,008
416	2,760,280
417	3,221,252
418	605,444
420	10,014,107
421	7,303,052
422	2,198,843
423	2,637,426
424	5,165,734
425	3,187,717
426	1,276,607
427	5,772,778
Totals	138,560,710

Controlled Substance Usage

Q1 2016

All Controlled Substances Usage Doses per 1000 by Patient Address

Doses per 1000 by Patient Address
Quarter 1 (Jan 01 - Mar 31) 2016



0 15 30 60 90 120 150
Miles



Controlled Substance Usage

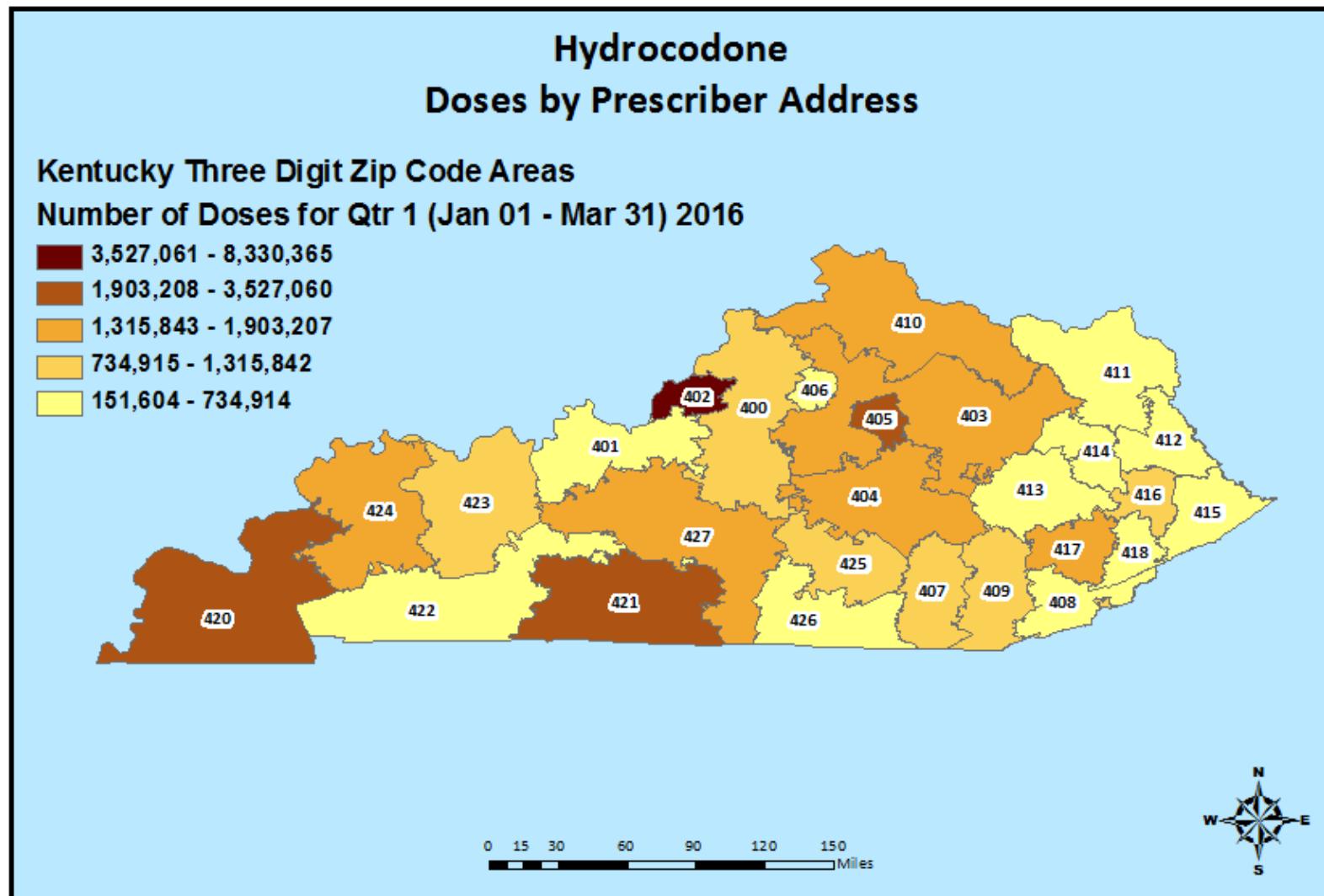
Q1 2016

Actual Number of All Controlled Substances Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	650,798	EDMONSON	381,577	KNOX	1,312,651	NICHOLAS	275,023
ALLEN	669,754	ELLIOTT	180,643	LARUE	559,042	OHIO	984,676
ANDERSON	746,039	ESTILL	740,381	LAUREL	2,089,879	OLDHAM	1,478,678
BALLARD	290,131	FAYETTE	6,695,422	LAWRENCE	607,026	OWEN	271,948
BARREN	1,339,521	FLEMING	531,113	LEE	439,254	OWSLEY	325,708
BATH	440,146	FLOYD	2,536,028	LESLIE	578,535	PENDLETON	404,414
BELL	1,965,234	FRANKLIN	1,484,316	LETCHER	1,143,601	PERRY	1,792,016
BOONE	3,252,327	FULTON	240,653	LEWIS	470,469	PIKE	2,348,928
BOURBON	667,943	GALLATIN	280,699	LINCOLN	983,029	POWELL	702,232
BOYD	1,028,274	GARRARD	567,493	LIVINGSTON	560,997	PULASKI	2,544,602
BOYLE	1,063,368	GRANT	693,413	LOGAN	851,195	ROBERTSON	73,172
BRACKEN	301,351	GRAVES	1,602,004	LYON	367,354	ROCKCASTLE	689,477
BREATHITT	731,095	GRAYSON	1,315,852	MADISON	2,460,989	ROWAN	728,755
BRECKINRIDGE	611,965	GREEN	381,657	MAGOFFIN	749,538	RUSSELL	212,138
BULLITT	2,248,741	GREENUP	1,578,340	MARION	679,197	SCOTT	1,460,662
BUTLER	454,068	HANCOCK	234,938	MARSHALL	1,497,539	SHELBY	1,391,260
CALDWELL	536,408	HARDIN	2,983,825	MARTIN	570,593	SIMPSON	532,573
CALLOWAY	1,292,915	HARLAN	1,333,087	MASON	484,048	SPENCER	641,349
CAMPBELL	2,473,547	HARRISON	655,592	MCCRACKEN	2,988,971	TAYLOR	1,026,069
CARLISLE	215,555	HART	514,907	MCCREARY	656,117	TODD	315,818
CARROLL	465,843	HENDERSON	2,316,069	MCLEAN	371,584	TRIGG	490,860
CARTER	764,672	HENRY	573,943	MEADE	623,528	TRIMBLE	273,452
CASEY	624,682	HICKMAN	133,036	MENIFEE	244,026	UNION	744,069
CHRISTIAN	1,597,612	HOPKINS	2,120,863	MERCER	796,474	WARREN	3,278,046
CLARK	1,233,179	JACKSON	475,004	METCALFE	404,288	WASHINGTON	321,279
CLAY	1,362,910	JEFFERSON	22,706,595	MONROE	406,997	WAYNE	810,022
CLINTON	583,684	JESSAMINE	1,501,828	MONTGOMERY	1,038,500	WEBSTER	734,357
CRITTENDEN	539,558	JOHNSON	1,239,472	MORGAN	480,506	WHITLEY	2,204,845
CUMBERLAND	370,130	KENTON	3,771,712	MUHLENBERG	1,535,244	WOLFE	397,851
DAVIESS	2,216,387	KNOTT	884,649	NELSON	1,587,184	WOODFORD	706,382
TOTAL						147,091,964	

Per 1000 Controlled Substance Usage Q1 2016

Actual Number of All Controlled Substances Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	34,743	EDMONSON	31,635	KNOX	41,291	NICHOLAS	39,071
ALLEN	32,975	ELLIOTT	23,654	LARUE	39,750	OHIO	41,049
ANDERSON	34,205	ESTILL	51,103	LAUREL	35,087	OLDHAM	23,710
BALLARD	34,821	FAYETTE	21,708	LAWRENCE	38,284	OWEN	25,506
BARREN	31,132	FLEMING	36,608	LEE	60,503	OWSLEY	69,985
BATH	36,798	FLOYD	65,483	LESLIE	52,503	PENDLETON	27,757
BELL	70,476	FRANKLIN	29,897	LETCHER	48,419	PERRY	63,978
BOONE	26,135	FULTON	37,690	LEWIS	34,077	PIKE	37,061
BOURBON	33,400	GALLATIN	33,125	LINCOLN	40,338	POWELL	56,206
BOYD	21,034	GARRARD	33,550	LIVINGSTON	59,942	PULASKI	39,817
BOYLE	36,651	GRANT	28,013	LOGAN	31,671	ROBERTSON	32,739
BRACKEN	35,807	GRAVES	42,776	LYON	43,469	ROCKCASTLE	41,303
BREATHITT	53,975	GRAYSON	50,616	MADISON	45,722	ROWAN	30,975
BRECKINRIDGE	30,537	GREEN	34,137	MAGOFFIN	36,473	RUSSELL	11,950
BULLITT	29,260	GREENUP	43,220	MARION	39,131	SCOTT	29,244
BUTLER	35,493	HANCOCK	27,045	MARSHALL	28,753	SHELBY	31,465
CALDWELL	41,832	HARDIN	27,579	MARTIN	57,879	SIMPSON	29,932
CALLOWAY	34,334	HARLAN	46,777	MASON	33,884	SPENCER	36,364
CAMPBELL	27,185	HARRISON	35,403	MCCRACKEN	48,142	TAYLOR	41,627
CARLISLE	43,102	HART	27,723	MCCREARY	45,117	TODD	25,259
CARROLL	42,531	HENDERSON	49,972	MCLEAN	28,015	TRIGG	34,343
CARTER	28,111	HENRY	37,160	MEADE	21,346	TRIMBLE	31,018
CASEY	38,880	HICKMAN	28,037	MENIFEE	38,808	UNION	49,509
CHRISTIAN	21,541	HOPKINS	45,479	MERCER	37,307	WARREN	27,693
CLARK	34,626	JACKSON	35,377	METCALFE	40,498	WASHINGTON	27,055
CLAY	63,795	JEFFERSON	30,002	MONROE	38,105	WAYNE	39,173
CLINTON	57,528	JESSAMINE	29,933	MONTGOMERY	38,109	WEBSTER	54,591
CRITTENDEN	58,299	JOHNSON	52,858	MORGAN	35,912	WHITLEY	61,646
CUMBERLAND	54,519	KENTON	23,119	MUHLENBERG	49,240	WOLFE	54,891
DAVISS	22,566	KNOTT	55,374	NELSON	35,635	WOODFORD	27,948

Hydrocodone Prescribing Q1 2016

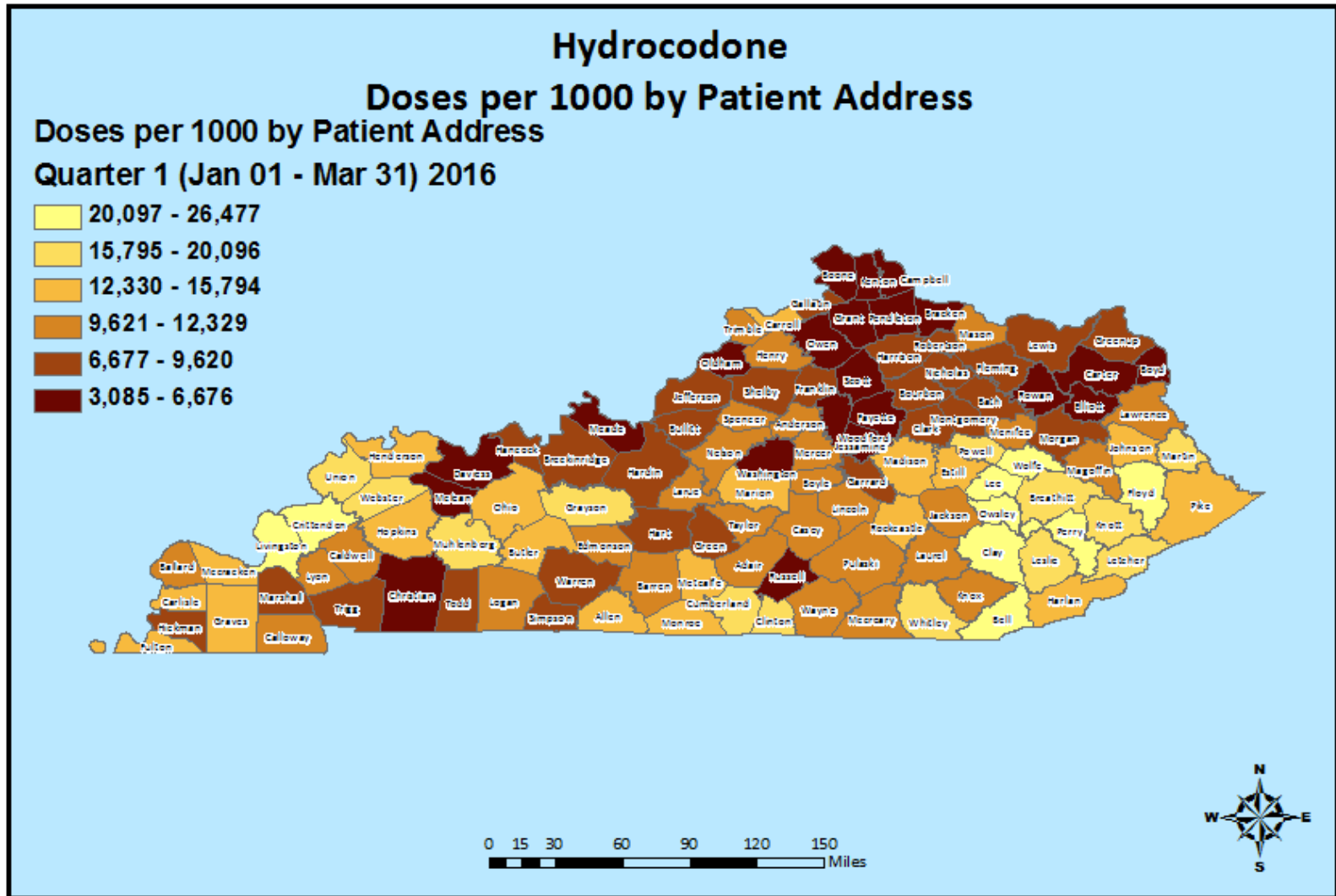


Hydrocodone Prescribing

Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of all Hydrocodone Doses for Quarter 1, 2016
400	1,261,232
401	381,270
402	8,330,365
403	1,721,766
404	1,564,184
405	3,527,060
406	510,616
407	1,315,842
408	268,490
409	1,099,495
410	1,903,207
411	734,914
412	453,737
413	637,554
414	151,604
415	417,129
416	1,146,498
417	1,525,113
418	159,163
420	3,199,677
421	2,612,440
422	625,629
423	880,694
424	1,644,676
425	802,768
426	430,000
427	1,679,145
Totals	38,984,268

Hydrocodone Usage Q1 2016



Hydrocodone Usage

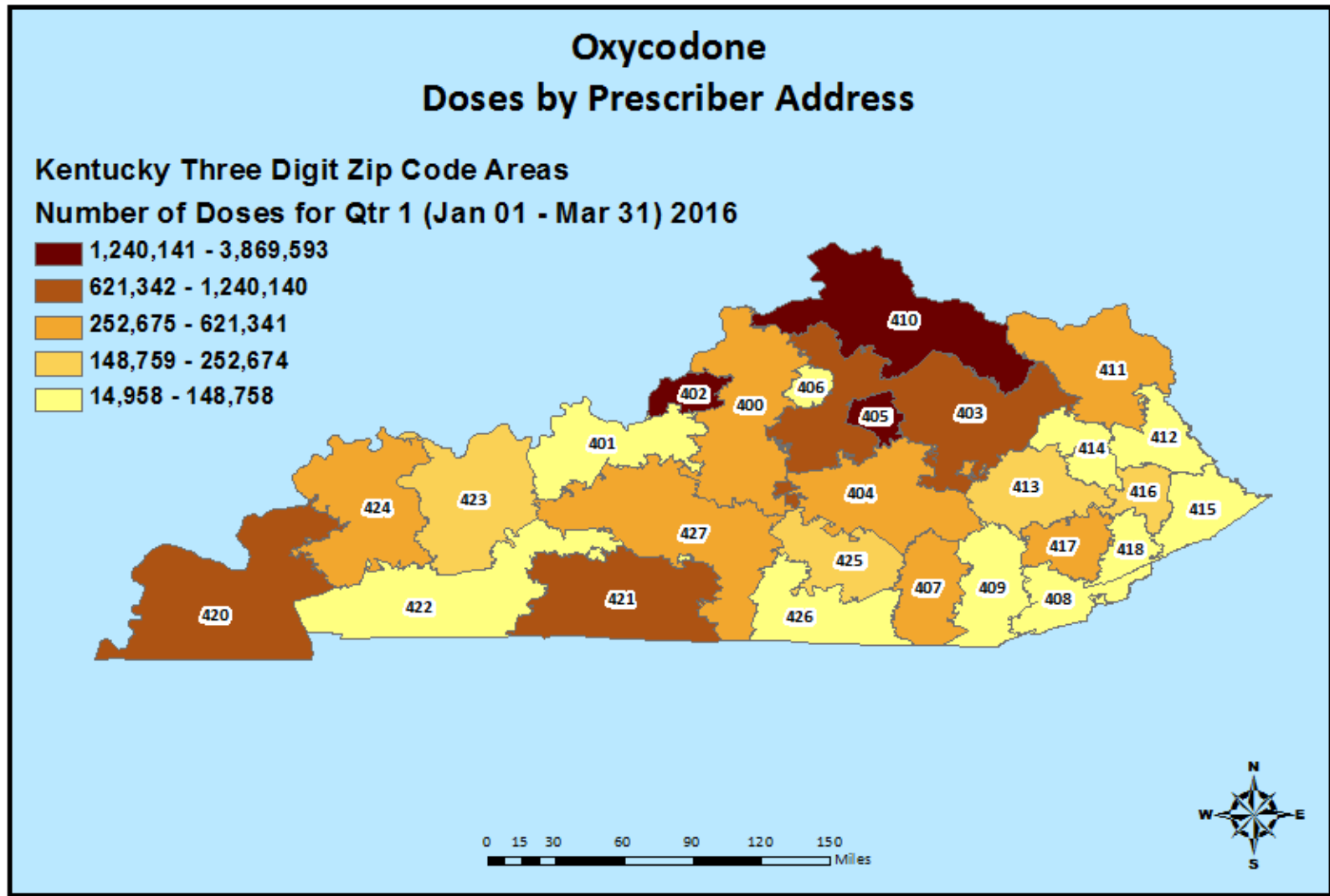
Q1 2016

Actual Number of Hydrocodone Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	217,806	EDMONSON	136,037	KNOX	385,550	NICHOLAS	63,788
ALLEN	271,112	ELLIOTT	43,127	LARUE	160,409	OHIO	365,971
ANDERSON	223,947	ESTILL	216,734	LAUREL	620,299	OLDHAM	359,147
BALLARD	100,020	FAYETTE	1,260,726	LAWRENCE	167,414	OWEN	63,414
BARREN	471,625	FLEMING	113,114	LEE	149,539	OWSLEY	123,225
BATH	104,692	FLOYD	907,161	LESLIE	221,433	PENDLETON	71,548
BELL	667,061	FRANKLIN	414,308	LETCHER	426,528	PERRY	613,542
BOONE	486,475	FULTON	90,758	LEWIS	122,793	PIKE	842,724
BOURBON	141,531	GALLATIN	64,298	LINCOLN	277,189	POWELL	201,790
BOYD	195,733	GARRARD	136,151	LIVINGSTON	198,873	PULASKI	654,392
BOYLE	304,115	GRANT	114,886	LOGAN	291,319	ROBERTSON	19,096
BRACKEN	50,208	GRAVES	495,059	LYON	102,032	ROCKCASTLE	241,803
BREATHITT	243,610	GRAYSON	444,702	MADISON	597,157	ROWAN	152,025
BRECKINRIDGE	186,524	GREEN	93,244	MAGOFFIN	232,860	RUSSELL	63,971
BULLITT	676,225	GREENUP	312,723	MARION	197,100	SCOTT	325,147
BUTLER	196,725	HANCOCK	68,278	MARSHALL	440,971	SHELBY	404,574
CALDWELL	154,904	HARDIN	863,943	MARTIN	136,982	SIMPSON	171,175
CALLOWAY	379,225	HARLAN	429,715	MASON	85,449	SPENCER	179,091
CAMPBELL	382,822	HARRISON	142,890	MCCRACKEN	903,903	TAYLOR	259,130
CARLISLE	65,367	HART	166,619	MCCREARY	210,362	TODD	115,939
CARROLL	140,530	HENDERSON	620,404	MCLEAN	131,495	TRIGG	135,898
CARTER	157,218	HENRY	179,898	MEADE	177,558	TRIMBLE	93,041
CASEY	187,970	HICKMAN	43,284	MENIFEE	68,589	UNION	243,864
CHRISTIAN	481,891	HOPKINS	736,546	MERCER	208,386	WARREN	981,886
CLARK	269,041	JACKSON	149,091	METCALFE	153,064	WASHINGTON	79,275
CLAY	543,523	JEFFERSON	6,712,849	MONROE	142,687	WAYNE	254,936
CLINTON	168,457	JESSAMINE	309,557	MONTGOMERY	230,861	WEBSTER	236,716
CRITTENDEN	207,414	JOHNSON	363,712	MORGAN	124,077	WHITLEY	610,884
CUMBERLAND	129,739	KENTON	503,269	MUHLENBERG	563,813	WOLFE	151,389
DAVISS	642,444	KNOTT	305,885	NELSON	441,393	WOODFORD	166,139
						TOTAL	41,302,527

Per 1000 Hydrocodone Usage Q1 2016

Actual Number of Hydrocodone Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	11,627	EDMONSON	11,278	KNOX	12,128	NICHOLAS	9,062
ALLEN	13,348	ELLIOTT	5,647	LARUE	11,406	OHIO	15,256
ANDERSON	10,268	ESTILL	14,960	LAUREL	10,414	OLDHAM	5,759
BALLARD	12,004	FAYETTE	4,088	LAWRENCE	10,558	OWEN	5,948
BARREN	10,961	FLEMING	7,797	LEE	20,598	OWSLEY	26,477
BATH	8,753	FLOYD	23,424	LESLIE	20,096	PENDLETON	4,911
BELL	23,922	FRANKLIN	8,345	LETCHER	18,059	PERRY	21,904
BOONE	3,909	FULTON	14,214	LEWIS	8,894	PIKE	13,296
BOURBON	7,077	GALLATIN	7,588	LINCOLN	11,374	POWELL	16,151
BOYD	4,004	GARRARD	8,049	LIVINGSTON	21,249	PULASKI	10,240
BOYLE	10,482	GRANT	4,641	LOGAN	10,839	ROBERTSON	8,544
BRACKEN	5,966	GRAVES	13,219	LYON	12,073	ROCKCASTLE	14,485
BREATHITT	17,985	GRAYSON	17,106	MADISON	13,827	ROWAN	6,462
BRECKINRIDGE	9,308	GREEN	8,340	MAGOFFIN	11,694	RUSSELL	3,604
BULLITT	8,799	GREENUP	8,563	MARION	13,847	SCOTT	6,510
BUTLER	15,378	HANCOCK	7,860	MARSHALL	6,977	SHELBY	9,150
CALDWELL	12,080	HARDIN	7,985	MARTIN	17,981	SIMPSON	9,620
CALLOWAY	10,071	HARLAN	15,078	MASON	9,833	SPENCER	10,154
CAMPBELL	4,207	HARRISON	7,716	MCCRACKEN	14,176	TAYLOR	10,513
CARLISLE	13,071	HART	8,971	MCCREARY	10,831	TODD	9,273
CARROLL	12,830	HENDERSON	13,386	MCLEAN	4,946	TRIGG	9,508
CARTER	5,780	HENRY	11,648	MEADE	6,079	TRIMBLE	10,554
CASEY	11,699	HICKMAN	9,122	MENIFEE	10,908	UNION	16,226
CHRISTIAN	6,497	HOPKINS	15,794	MERCER	9,761	WARREN	8,295
CLARK	7,554	JACKSON	11,104	METCALFE	15,332	WASHINGTON	6,676
CLAY	25,441	JEFFERSON	8,870	MONROE	13,359	WAYNE	12,329
CLINTON	16,603	JESSAMINE	6,170	MONTGOMERY	8,472	WEBSTER	17,597
CRITTENDEN	22,411	JOHNSON	15,511	MORGAN	9,273	WHITLEY	17,080
CUMBERLAND	19,110	KENTON	3,085	MUHLENBERG	18,083	WOLFE	20,887
DAVISS	6,541	KNOTT	19,147	NELSON	9,910	WOODFORD	6,573

Oxycodone Prescribing Q1 2016

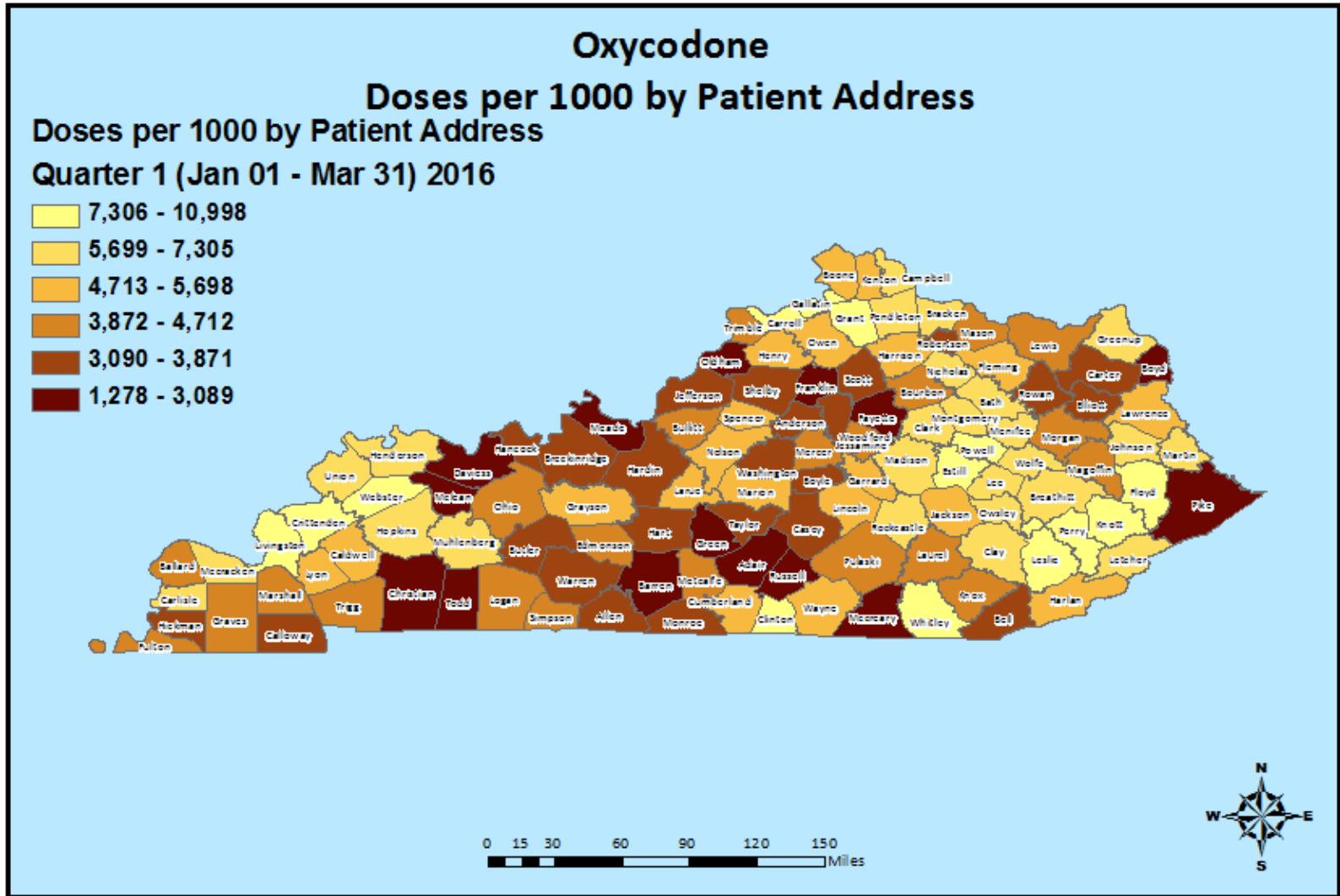


Oxycodone Prescribing

Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Oxycodone Doses for Quarter 1, 2016
400	484,338
401	96,894
402	3,869,593
403	889,957
404	621,341
405	3,102,247
406	104,184
407	389,062
408	75,795
409	101,821
410	2,509,587
411	410,887
412	148,758
413	174,870
414	14,958
415	30,556
416	227,193
417	442,214
418	90,958
420	1,240,140
421	897,314
422	113,499
423	252,674
424	552,976
425	249,225
426	116,303
427	472,519
Totals	17,679,863

Oxycodone Usage Q1 2016



Oxycodone Usage

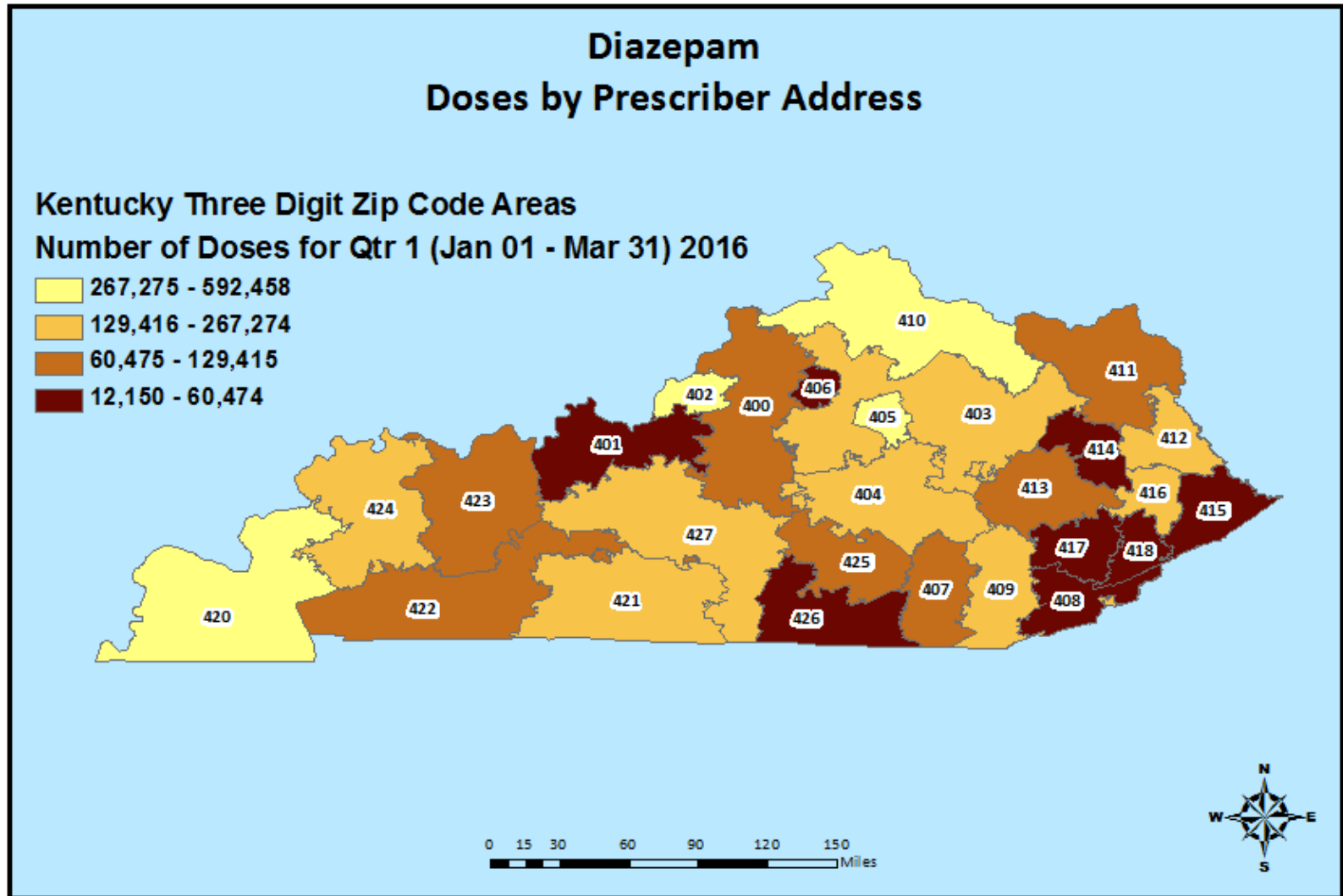
Q1 2016

Actual Number of Oxycodone Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	43,324	EDMONSON	52,076	KNOX	131,721	NICHOLAS	43,008
ALLEN	73,925	ELLIOTT	25,627	LARUE	71,506	OHIO	109,254
ANDERSON	79,729	ESTILL	121,594	LAUREL	238,725	OLDHAM	153,355
BALLARD	36,608	FAYETTE	804,571	LAWRENCE	80,571	OWEN	56,875
BARREN	126,909	FLEMING	74,429	LEE	45,953	OWSLEY	28,354
BATH	69,494	FLOYD	292,618	LESLIE	97,713	PENDLETON	99,642
BELL	100,066	FRANKLIN	153,371	LETCHER	141,201	PERRY	285,516
BOONE	666,606	FULTON	26,940	LEWIS	60,382	PIKE	189,722
BOURBON	89,947	GALLATIN	79,559	LINCOLN	126,233	POWELL	121,030
BOYD	150,776	GARRARD	88,078	LIVINGSTON	75,575	PULASKI	281,043
BOYLE	96,132	GRANT	197,563	LOGAN	117,794	ROBERTSON	8,255
BRACKEN	53,500	GRAVES	168,552	LYON	43,163	ROCKCASTLE	107,228
BREATHITT	81,288	GRAYSON	124,909	MADISON	359,488	ROWAN	84,934
BRECKINRIDGE	72,943	GREEN	31,028	MAGOFFIN	83,360	RUSSELL	22,680
BULLITT	329,540	GREENUP	215,317	MARION	94,242	SCOTT	189,617
BUTLER	46,894	HANCOCK	29,719	MARSHALL	212,083	SHELBY	158,104
CALDWELL	66,179	HARDIN	400,705	MARTIN	38,860	SIMPSON	73,863
CALLOWAY	123,029	HARLAN	152,267	MASON	53,167	SPENCER	84,476
CAMPBELL	592,307	HARRISON	92,780	MCCRACKEN	395,578	TAYLOR	92,065
CARLISLE	31,867	HART	68,375	MCCREARY	84,757	TODD	33,219
CARROLL	89,993	HENDERSON	303,956	MCLEAN	48,358	TRIGG	60,594
CARTER	99,119	HENRY	78,884	MEADE	79,610	TRIMBLE	37,026
CASEY	56,082	HICKMAN	15,122	MENIFEE	40,607	UNION	87,241
CHRISTIAN	175,146	HOPKINS	270,364	MERCER	88,481	WARREN	396,766
CLARK	227,339	JACKSON	76,512	METCALFE	41,221	WASHINGTON	39,387
CLAY	155,823	JEFFERSON	2,884,399	MONROE	41,342	WAYNE	105,493
CLINTON	111,588	JESSAMINE	229,309	MONTGOMERY	173,225	WEBSTER	101,944
CRITTENDEN	71,607	JOHNSON	143,607	MORGAN	58,016	WHITLEY	277,326
CUMBERLAND	34,595	KENTON	876,896	MUHLENBERG	227,768	WOLFE	44,791
DAVISS	271,317	KNOTT	139,895	NELSON	217,482	WOODFORD	80,961
						TOTAL	19,464,645

Per 1000 Oxycodone Usage Q1 2016

Actual Number of Oxycodone Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,313	EDMONSON	4,317	KNOX	4,143	NICHOLAS	6,110
ALLEN	3,640	ELLIOTT	3,356	LARUE	5,084	OHIO	4,555
ANDERSON	3,655	ESTILL	8,393	LAUREL	4,008	OLDHAM	2,459
BALLARD	4,394	FAYETTE	2,609	LAWRENCE	5,081	OWEN	5,334
BARREN	2,950	FLEMING	5,130	LEE	6,330	OWSLEY	6,092
BATH	5,810	FLOYD	7,556	LESLIE	8,868	PENDLETON	6,839
BELL	3,589	FRANKLIN	3,089	LETCHER	5,978	PERRY	10,193
BOONE	5,357	FULTON	4,219	LEWIS	4,374	PIKE	2,993
BOURBON	4,498	GALLATIN	9,389	LINCOLN	5,180	POWELL	9,687
BOYD	3,084	GARRARD	5,207	LIVINGSTON	8,075	PULASKI	4,398
BOYLE	3,313	GRANT	7,981	LOGAN	4,383	ROBERTSON	3,694
BRACKEN	6,357	GRAVES	4,501	LYON	5,107	ROCKCASTLE	6,424
BREATHITT	6,001	GRAYSON	4,805	MADISON	6,051	ROWAN	3,610
BRECKINRIDGE	3,640	GREEN	2,775	MAGOFFIN	4,712	RUSSELL	1,278
BULLITT	4,288	GREENUP	5,896	MARION	5,092	SCOTT	3,796
BUTLER	3,666	HANCOCK	3,421	MARSHALL	4,200	SHELBY	3,576
CALDWELL	5,161	HARDIN	3,704	MARTIN	6,437	SIMPSON	4,151
CALLOWAY	3,267	HARLAN	5,343	MASON	4,702	SPENCER	4,790
CAMPBELL	6,510	HARRISON	5,010	MCCRACKEN	6,818	TAYLOR	3,735
CARLISLE	6,372	HART	3,681	MCCREARY	3,073	TODD	2,657
CARROLL	8,216	HENDERSON	6,558	MCLEAN	3,077	TRIGG	4,239
CARTER	3,644	HENRY	5,107	MEADE	2,725	TRIMBLE	4,200
CASEY	3,491	HICKMAN	3,187	MENIFEE	6,458	UNION	5,805
CHRISTIAN	2,362	HOPKINS	5,798	MERCER	4,145	WARREN	3,352
CLARK	6,383	JACKSON	5,698	METCALFE	4,129	WASHINGTON	3,317
CLAY	7,294	JEFFERSON	3,811	MONROE	3,871	WAYNE	5,102
CLINTON	10,998	JESSAMINE	4,570	MONTGOMERY	6,357	WEBSTER	7,578
CRITTENDEN	7,737	JOHNSON	6,124	MORGAN	4,336	WHITLEY	7,754
CUMBERLAND	5,096	KENTON	5,375	MUHLENBERG	7,305	WOLFE	6,180
DAVIESS	2,762	KNOTT	8,757	NELSON	4,883	WOODFORD	3,203

Diazepam Prescribing Q1 2016

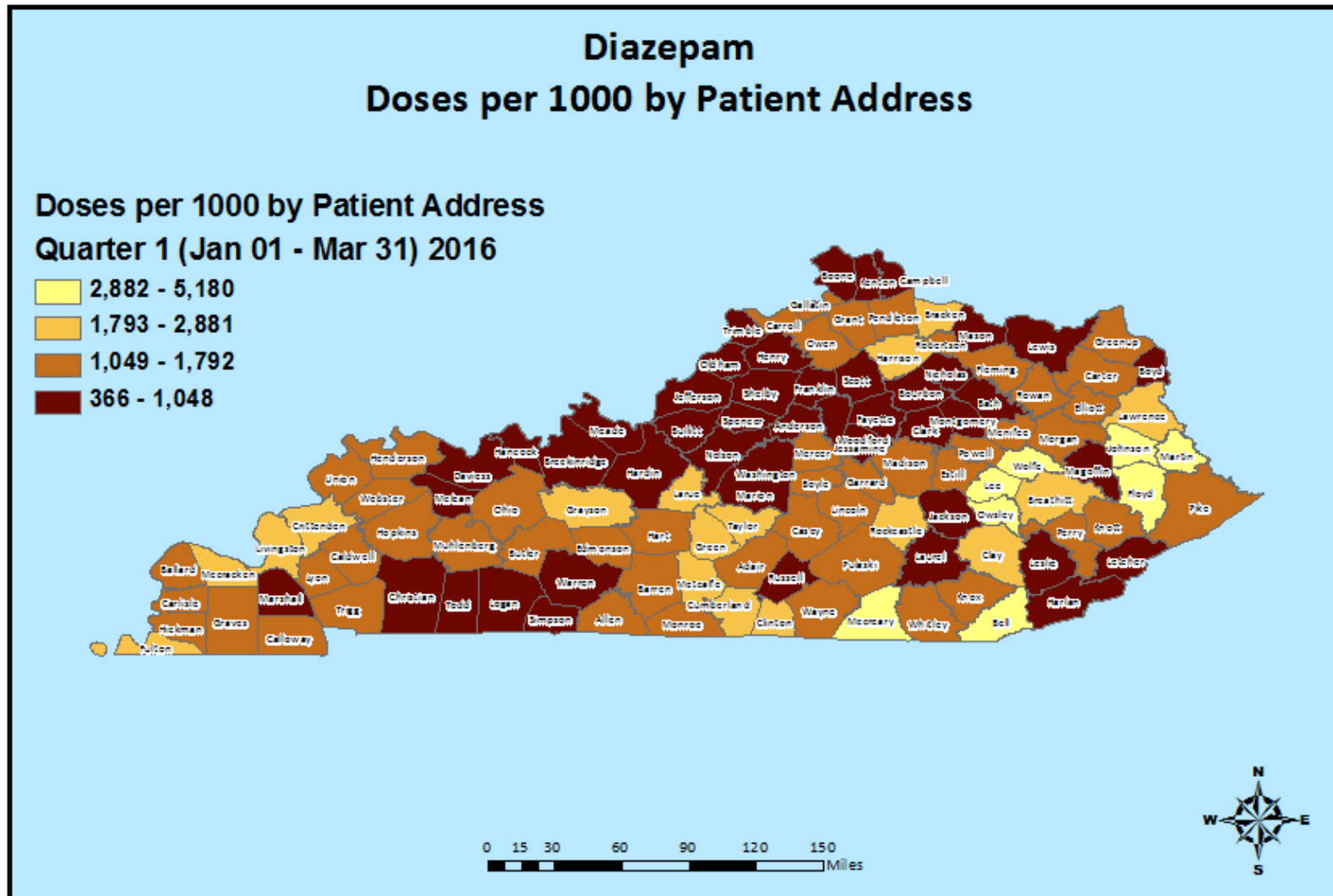


Diazepam Prescribing

Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Diazepam Doses for Quarter 1, 2016
400	108,141
401	37,677
402	592,458
403	236,813
404	197,234
405	351,681
406	18,481
407	97,074
408	15,948
409	153,499
410	434,780
411	119,805
412	188,669
413	94,713
414	23,480
415	41,210
416	179,865
417	47,545
418	12,150
420	394,958
421	242,950
422	83,091
423	74,787
424	165,559
425	129,415
426	60,474
427	267,274
Totals	4,369,731

Diazepam Usage Q1 2016



Diazepam Usage

Q1 2016

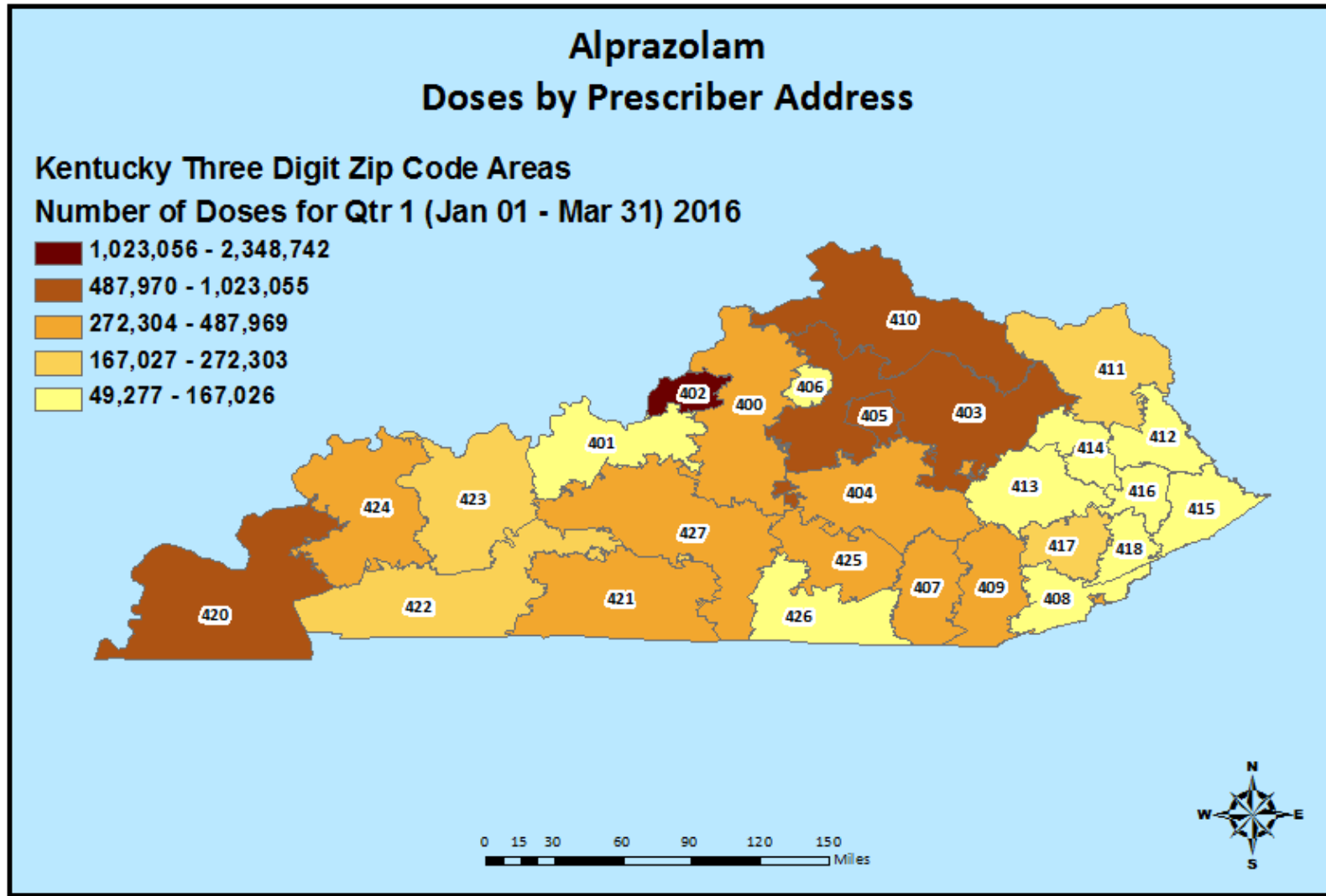
Actual Number of Diazepam Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	32,649	EDMONSON	20,600	KNOX	49,653	NICHOLAS	7,380
ALLEN	23,457	ELLIOTT	11,280	LARUE	31,645	OHIO	32,736
ANDERSON	13,555	ESTILL	19,215	LAUREL	46,366	OLDHAM	22,821
BALLARD	12,566	FAYETTE	168,067	LAWRENCE	39,283	OWEN	11,952
BARREN	48,552	FLEMING	19,123	LEE	23,674	OWSLEY	19,620
BATH	10,988	FLOYD	156,078	LESLIE	7,879	PENDLETON	16,297
BELL	98,148	FRANKLIN	34,603	LETCHER	20,696	PERRY	35,050
BOONE	102,184	FULTON	11,930	LEWIS	12,629	PIKE	78,008
BOURBON	13,977	GALLATIN	9,876	LINCOLN	38,150	POWELL	13,388
BOYD	35,882	GARRARD	25,149	LIVINGSTON	22,505	PULASKI	74,377
BOYLE	39,072	GRANT	28,998	LOGAN	20,525	ROBERTSON	3,329
BRACKEN	15,651	GRAVES	58,584	LYON	10,792	ROCKCASTLE	34,151
BREATHITT	30,972	GRAYSON	74,889	MADISON	56,072	ROWAN	37,328
BRECKINRIDGE	17,070	GREEN	22,733	MAGOFFIN	45,297	RUSSELL	11,898
BULLITT	38,605	GREENUP	49,511	MARION	20,154	SCOTT	41,997
BUTLER	18,213	HANCOCK	5,682	MARSHALL	63,602	SHELBY	27,707
CALDWELL	19,284	HARDIN	61,325	MARTIN	40,354	SIMPSON	15,881
CALLOWAY	53,567	HARLAN	22,915	MASON	16,506	SPENCER	16,517
CAMPBELL	83,435	HARRISON	44,253	MCCRACKEN	115,509	TAYLOR	63,931
CARLISLE	8,613	HART	21,960	MCCREARY	16,421	TODD	8,923
CARROLL	12,478	HENDERSON	73,521	MCLEAN	9,672	TRIGG	16,508
CARTER	35,726	HENRY	8,358	MEADE	11,765	TRIMBLE	3,223
CASEY	27,542	HICKMAN	5,202	MENIFEE	7,557	UNION	20,196
CHRISTIAN	47,757	HOPKINS	68,228	MERCER	27,298	WARREN	114,298
CLARK	31,706	JACKSON	13,400	METCALFE	19,996	WASHINGTON	9,815
CLAY	42,580	JEFFERSON	462,353	MONROE	17,308	WAYNE	26,226
CLINTON	27,801	JESSAMINE	37,245	MONTGOMERY	26,150	WEBSTER	19,766
CRITTENDEN	17,571	JOHNSON	121,457	MORGAN	14,595	WHITLEY	59,771
CUMBERLAND	14,065	KENTON	121,756	MUHLENBERG	43,959	WOLFE	22,641
DAVIESS	54,476	KNOTT	28,624	NELSON	39,016	WOODFORD	15,574
						TOTAL	4,631,394

Per 1000 Diazepam Usage

Q1 2016

Actual Number of Diazepam Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	1,743	EDMONSON	1,708	KNOX	1,562	NICHOLAS	1,048
ALLEN	1,155	ELLIOTT	1,477	LARUE	2,250	OHIO	1,365
ANDERSON	621	ESTILL	1,326	LAUREL	778	OLDHAM	366
BALLARD	1,508	FAYETTE	545	LAWRENCE	2,477	OWEN	1,121
BARREN	1,128	FLEMING	1,318	LEE	3,261	OWSLEY	4,216
BATH	919	FLOYD	4,030	LESLIE	715	PENDLETON	1,119
BELL	3,520	FRANKLIN	697	LETCHER	876	PERRY	1,251
BOONE	821	FULTON	1,868	LEWIS	915	PIKE	1,231
BOURBON	699	GALLATIN	1,165	LINCOLN	1,565	POWELL	1,072
BOYD	734	GARRARD	1,487	LIVINGSTON	2,405	PULASKI	1,164
BOYLE	1,347	GRANT	1,171	LOGAN	764	ROBERTSON	1,489
BRACKEN	1,860	GRAVES	1,564	LYON	1,277	ROCKCASTLE	2,046
BREATHITT	2,287	GRAYSON	2,881	MADISON	1,767	ROWAN	1,587
BRECKINRIDGE	852	GREEN	2,033	MAGOFFIN	913	RUSSELL	670
BULLITT	502	GREENUP	1,356	MARION	1,019	SCOTT	841
BUTLER	1,424	HANCOCK	654	MARSHALL	655	SHELBY	627
CALDWELL	1,504	HARDIN	567	MARTIN	3,498	SIMPSON	893
CALLOWAY	1,422	HARLAN	804	MASON	1,005	SPENCER	936
CAMPBELL	917	HARRISON	2,390	MCCRACKEN	2,045	TAYLOR	2,594
CARLISLE	1,722	HART	1,182	MCCREARY	3,191	TODD	714
CARROLL	1,139	HENDERSON	1,586	MCLEAN	955	TRIGG	1,155
CARTER	1,313	HENRY	541	MEADE	403	TRIMBLE	366
CASEY	1,714	HICKMAN	1,096	MENIFEE	1,202	UNION	1,344
CHRISTIAN	644	HOPKINS	1,463	MERCER	1,279	WARREN	966
CLARK	890	JACKSON	998	METCALFE	2,003	WASHINGTON	827
CLAY	1,993	JEFFERSON	611	MONROE	1,620	WAYNE	1,268
CLINTON	2,740	JESSAMINE	742	MONTGOMERY	960	WEBSTER	1,469
CRITTENDEN	1,899	JOHNSON	5,180	MORGAN	1,091	WHITLEY	1,671
CUMBERLAND	2,072	KENTON	746	MUHLENBERG	1,410	WOLFE	3,124
DAVISS	555	KNOTT	1,792	NELSON	876	WOODFORD	616

Alprazolam Prescribing Q1 2016

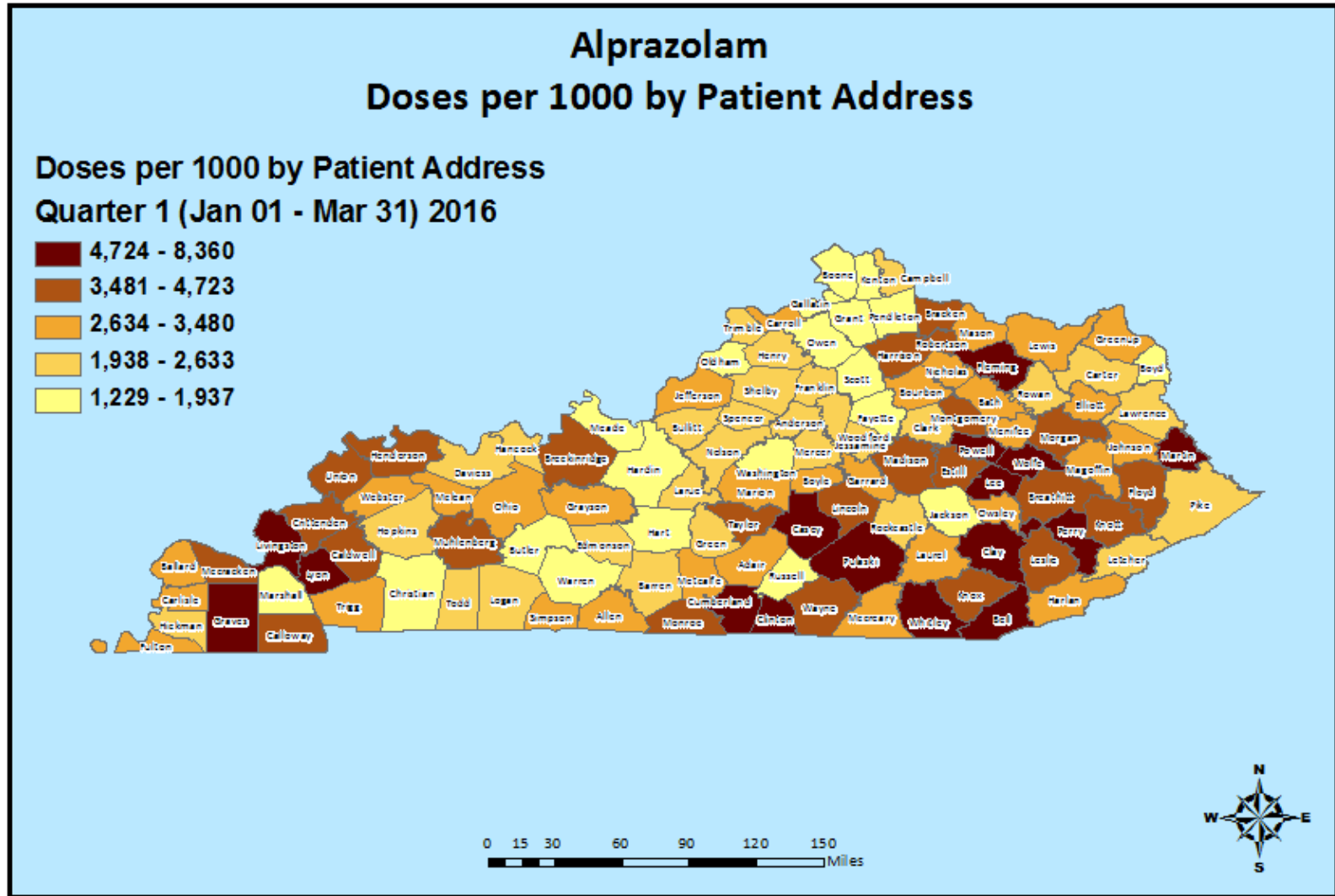


Alprazolam Prescribing

Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Alprazolam Doses for Quarter 1, 2016
400	404,188
401	153,403
402	2,348,742
403	643,977
404	408,479
405	1,023,055
406	74,933
407	369,739
408	57,877
409	338,677
410	898,247
411	272,303
412	126,667
413	139,051
414	59,457
415	120,004
416	167,026
417	231,806
418	49,277
420	971,933
421	466,491
422	247,245
423	251,543
424	350,036
425	487,969
426	128,466
427	425,522
Totals	11,216,113

Alprazolam Usage Q1 2016



Alprazolam Usage

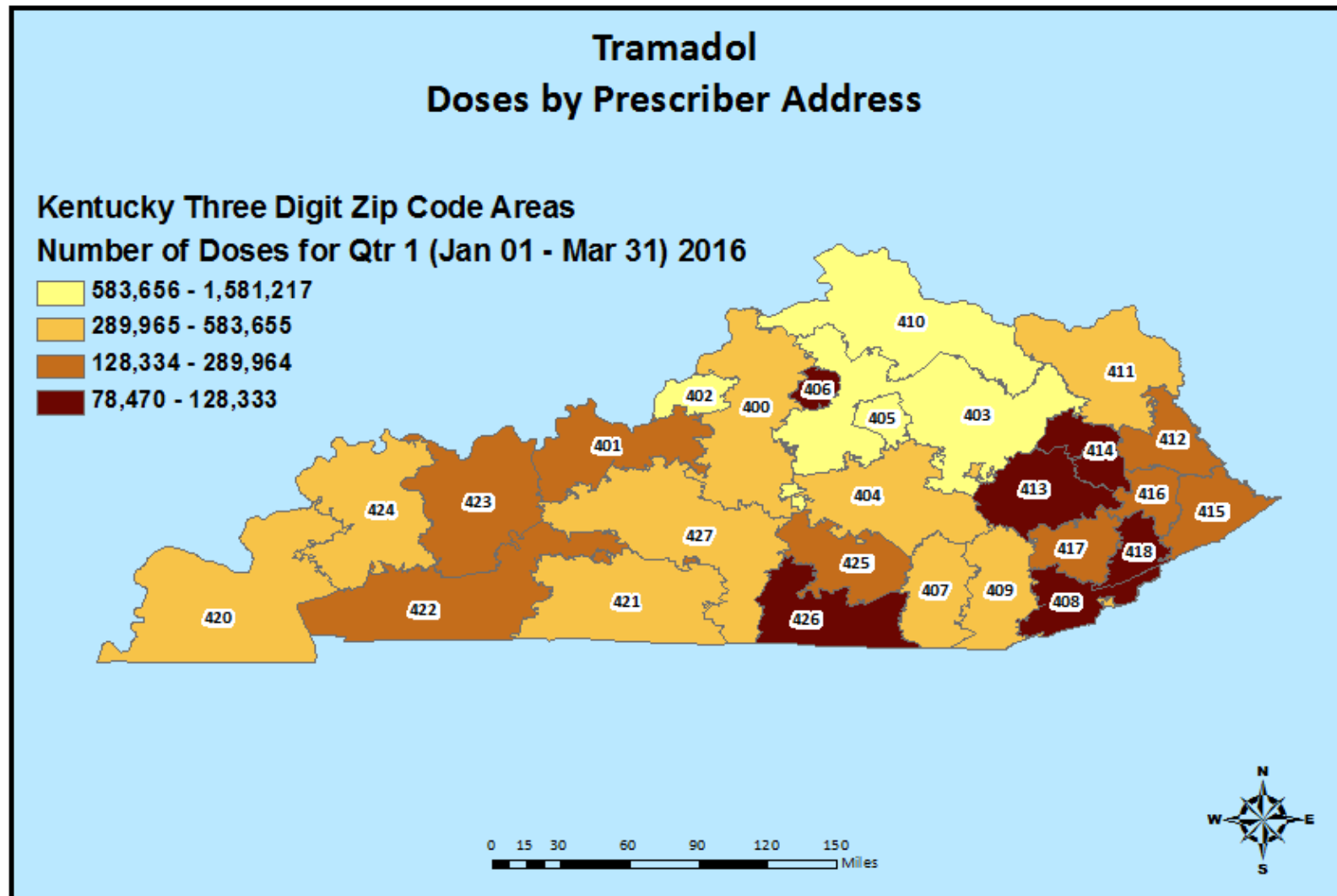
Q1 2016

Actual Number of Alprazolam Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	57,398	EDMONSON	24,260	KNOX	121,223	NICHOLAS	23,884
ALLEN	62,242	ELLIOTT	23,783	LARUE	35,033	OHIO	82,614
ANDERSON	49,318	ESTILL	51,738	LAUREL	166,416	OLDHAM	114,878
BALLARD	22,982	FAYETTE	563,343	LAWRENCE	35,245	OWEN	16,708
BARREN	90,546	FLEMING	70,607	LEE	35,601	OWSLEY	15,540
BATH	36,699	FLOYD	136,736	LESLIE	45,730	PENDLETON	22,229
BELL	233,118	FRANKLIN	110,437	LETCHER	52,332	PERRY	156,996
BOONE	192,298	FULTON	20,161	LEWIS	38,086	PIKE	142,058
BOURBON	54,490	GALLATIN	14,127	LINCOLN	97,365	POWELL	91,727
BOYD	81,192	GARRARD	56,127	LIVINGSTON	51,900	PULASKI	331,928
BOYLE	89,142	GRANT	30,720	LOGAN	64,074	ROBERTSON	9,784
BRACKEN	30,935	GRAVES	183,863	LYON	42,137	ROCKCASTLE	38,602
BREATHITT	63,979	GRAYSON	83,347	MADISON	136,100	ROWAN	53,088
BRECKINRIDGE	71,223	GREEN	24,411	MAGOFFIN	65,692	RUSSELL	21,822
BULLITT	202,351	GREENUP	118,798	MARION	58,665	SCOTT	91,667
BUTLER	24,227	HANCOCK	20,789	MARSHALL	142,919	SHELBY	93,277
CALDWELL	47,133	HARDIN	155,963	MARTIN	37,109	SIMPSON	53,043
CALLOWAY	153,805	HARLAN	94,981	MASON	58,385	SPENCER	41,988
CAMPBELL	182,097	HARRISON	72,083	MCCRACKEN	271,735	TAYLOR	89,972
CARLISLE	17,401	HART	31,510	MCCREARY	50,306	TODD	30,558
CARROLL	33,036	HENDERSON	173,062	MCLEAN	25,888	TRIGG	45,303
CARTER	59,069	HENRY	34,778	MEADE	44,199	TRIMBLE	18,893
CASEY	78,489	HICKMAN	10,478	MENIFEE	19,923	UNION	60,425
CHRISTIAN	138,806	HOPKINS	118,574	MERCER	48,450	WARREN	184,709
CLARK	93,626	JACKSON	26,008	METCALFE	27,797	WASHINGTON	21,937
CLAY	106,670	JEFFERSON	2,086,252	MONROE	40,334	WAYNE	85,984
CLINTON	63,724	JESSAMINE	100,525	MONTGOMERY	103,550	WEBSTER	44,781
CRITTENDEN	33,566	JOHNSON	75,944	MORGAN	48,380	WHITLEY	185,303
CUMBERLAND	42,933	KENTON	238,203	MUHLENBERG	129,987	WOLFE	40,143
DAVISS	206,386	KNOTT	70,149	NELSON	108,573	WOODFORD	51,894
TOTAL						11,905,507	

Per 1000 Alprazolam Usage Q1 2016

Actual Number of Alprazolam Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	3,064	EDMONSON	2,011	KNOX	3,813	NICHOLAS	3,393
ALLEN	3,064	ELLIOTT	3,114	LARUE	2,491	OHIO	3,444
ANDERSON	2,261	ESTILL	3,571	LAUREL	2,794	OLDHAM	1,842
BALLARD	2,758	FAYETTE	1,826	LAWRENCE	2,223	OWEN	1,567
BARREN	2,104	FLEMING	4,867	LEE	4,904	OWSLEY	3,339
BATH	3,068	FLOYD	3,531	LESLIE	4,150	PENDLETON	1,526
BELL	8,360	FRANKLIN	2,224	LETCHER	2,216	PERRY	5,605
BOONE	1,545	FULTON	3,158	LEWIS	2,759	PIKE	2,241
BOURBON	2,725	GALLATIN	1,667	LINCOLN	3,995	POWELL	7,342
BOYD	1,661	GARRARD	3,318	LIVINGSTON	5,545	PULASKI	5,194
BOYLE	3,072	GRANT	1,241	LOGAN	2,384	ROBERTSON	4,378
BRACKEN	3,676	GRAVES	4,909	LYON	4,986	ROCKCASTLE	2,312
BREATHITT	4,723	GRAYSON	3,206	MADISON	4,157	ROWAN	2,256
BRECKINRIDGE	3,554	GREEN	2,183	MAGOFFIN	2,796	RUSSELL	1,229
BULLITT	2,633	GREENUP	3,253	MARION	2,726	SCOTT	1,835
BUTLER	1,894	HANCOCK	2,393	MARSHALL	1,590	SHELBY	2,110
CALDWELL	3,676	HARDIN	1,442	MARTIN	5,073	SIMPSON	2,981
CALLOWAY	4,084	HARLAN	3,333	MASON	2,927	SPENCER	2,381
CAMPBELL	2,001	HARRISON	3,893	MCCRACKEN	4,594	TAYLOR	3,650
CARLISLE	3,480	HART	1,697	MCCREARY	2,934	TODD	2,444
CARROLL	3,016	HENDERSON	3,734	MCLEAN	3,379	TRIGG	3,170
CARTER	2,171	HENRY	2,252	MEADE	1,513	TRIMBLE	2,143
CASEY	4,885	HICKMAN	2,208	MENIFEE	3,168	UNION	4,021
CHRISTIAN	1,872	HOPKINS	2,543	MERCER	2,269	WARREN	1,560
CLARK	2,629	JACKSON	1,937	METCALFE	2,784	WASHINGTON	1,847
CLAY	4,993	JEFFERSON	2,757	MONROE	3,776	WAYNE	4,158
CLINTON	6,281	JESSAMINE	2,004	MONTGOMERY	3,800	WEBSTER	3,329
CRITTENDEN	3,627	JOHNSON	3,239	MORGAN	3,616	WHITLEY	5,181
CUMBERLAND	6,324	KENTON	1,460	MUHLENBERG	4,169	WOLFE	5,538
DAVIESS	2,101	KNOTT	4,391	NELSON	2,438	WOODFORD	2,053

Tramadol Prescribing Q1 2016



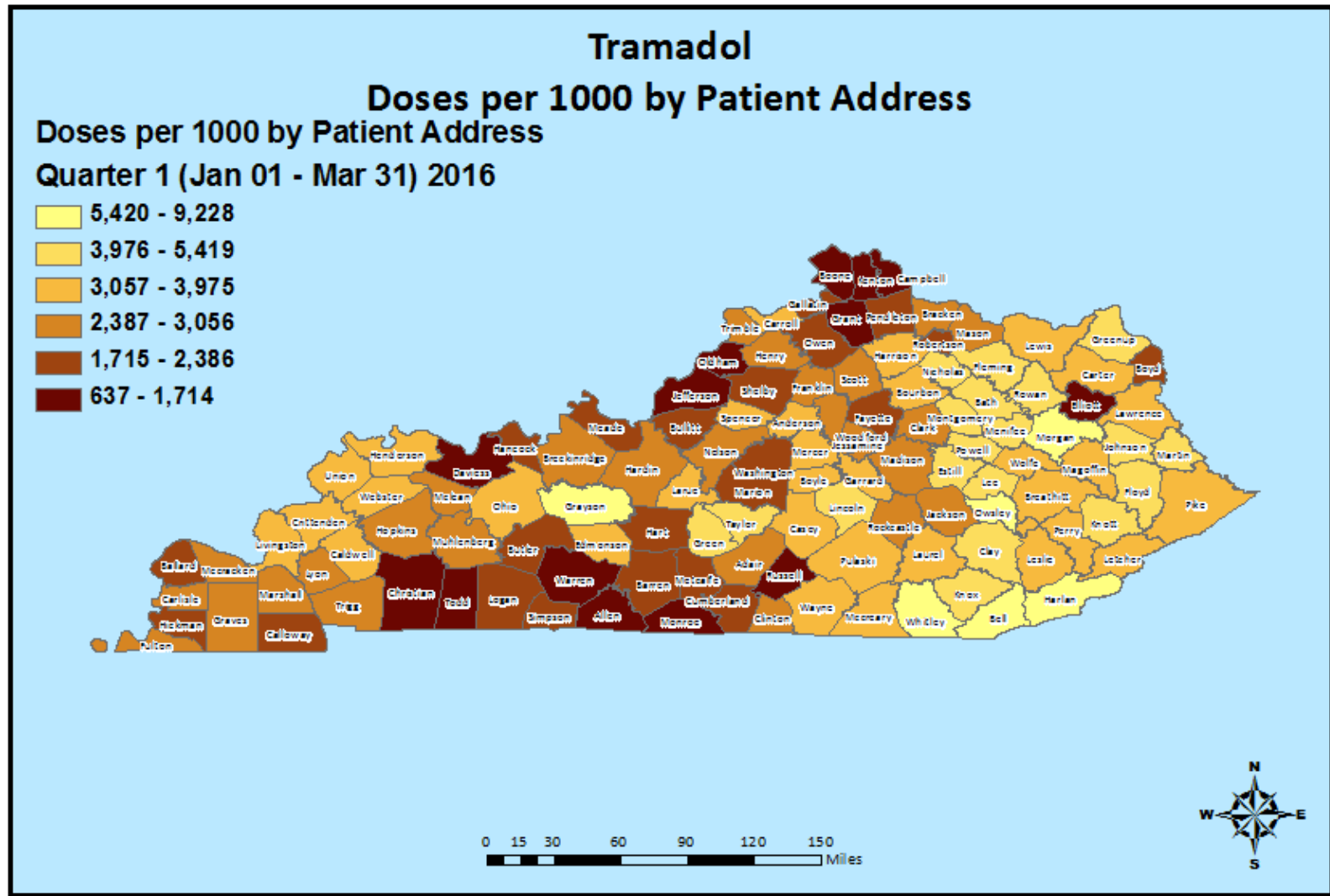
Tramadol Prescribing

Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Tramadol Doses for Quarter 1, 2016
400	386,295
401	198,816
402	1,581,217
403	842,581
404	490,624
405	1,302,648
406	97,395
407	391,004
408	123,042
409	449,253
410	804,215
411	399,090
412	171,179
413	126,365
414	78,470
415	201,118
416	219,172
417	182,023
418	92,951
420	581,069
421	411,735
422	161,957
423	187,524
424	357,508
425	289,964
426	128,333
427	583,655
Totals	10,839,203

Tramadol Usage

Q1 2016



Tramadol Usage

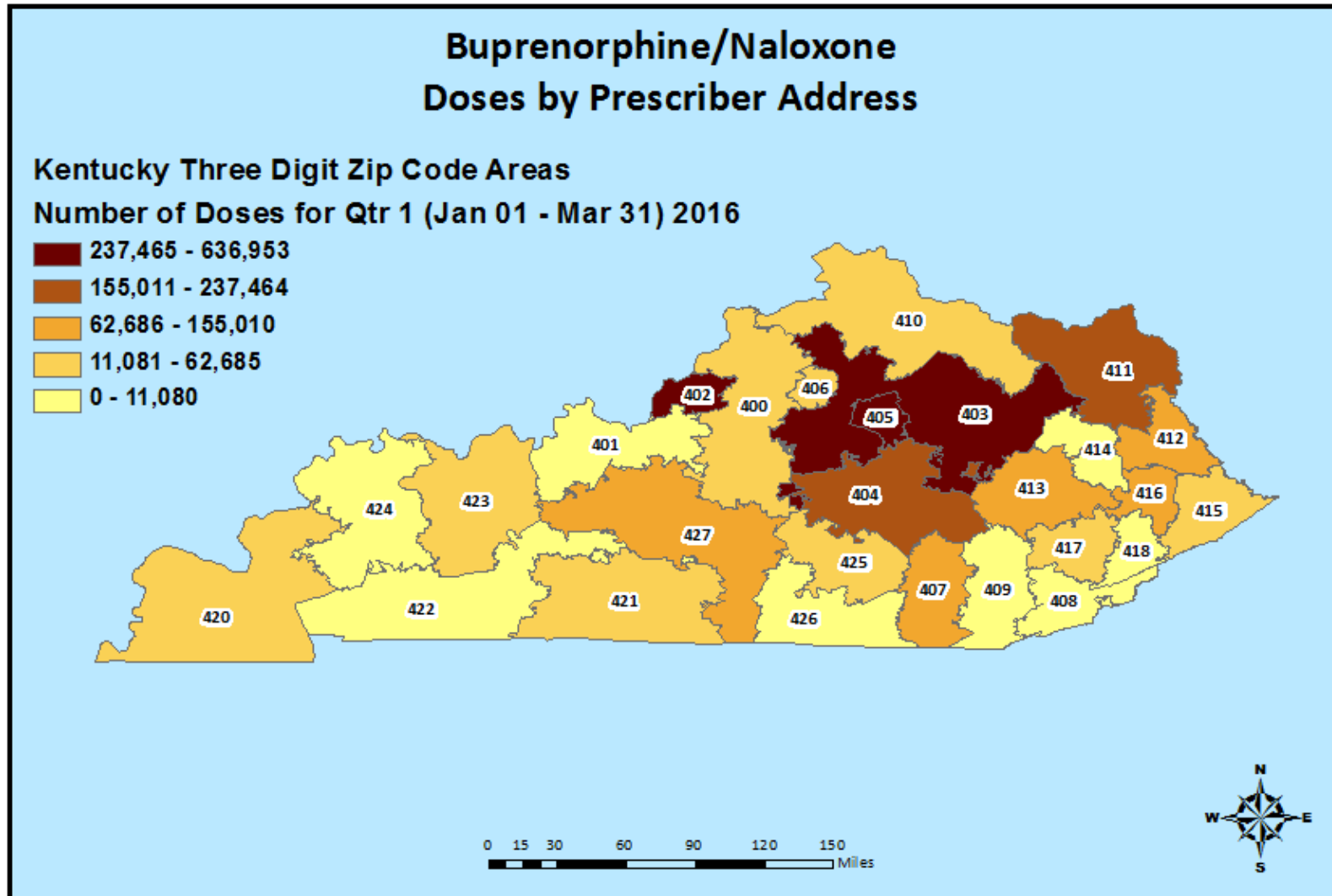
Q1 2016

Actual Number of Tramadol Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	49,103	EDMONSON	38,254	KNOX	140,090	NICHOLAS	32,163
ALLEN	34,757	ELLIOTT	12,956	LARUE	44,469	OHIO	80,378
ANDERSON	74,035	ESTILL	67,709	LAUREL	210,626	OLDHAM	86,082
BALLARD	17,837	FAYETTE	624,882	LAWRENCE	54,628	OWEN	23,071
BARREN	80,505	FLEMING	59,619	LEE	34,571	OWSLEY	30,625
BATH	50,584	FLOYD	202,741	LESLIE	36,030	PENDLETON	28,325
BELL	257,330	FRANKLIN	130,836	LETCHER	90,768	PERRY	104,777
BOONE	210,316	FULTON	17,192	LEWIS	53,757	PIKE	221,423
BOURBON	73,223	GALLATIN	18,187	LINCOLN	102,088	POWELL	51,335
BOYD	102,967	GARRARD	54,291	LIVINGSTON	36,139	PULASKI	226,507
BOYLE	100,652	GRANT	38,727	LOGAN	50,083	ROBERTSON	5,024
BRACKEN	22,187	GRAVES	92,510	LYON	23,604	ROCKCASTLE	51,012
BREATHITT	48,948	GRAYSON	155,235	MADISON	249,957	ROWAN	98,466
BRECKINRIDGE	57,497	GREEN	47,125	MAGOFFIN	56,118	RUSSELL	11,315
BULLITT	149,756	GREENUP	190,214	MARION	59,952	SCOTT	137,123
BUTLER	27,125	HANCOCK	20,462	MARSHALL	86,425	SHELBY	96,797
CALDWELL	44,317	HARDIN	267,716	MARTIN	49,024	SIMPSON	33,919
CALLOWAY	84,184	HARLAN	161,616	MASON	43,753	SPENCER	58,626
CAMPBELL	139,276	HARRISON	59,884	MCCRACKEN	160,872	TAYLOR	107,731
CARLISLE	13,632	HART	36,421	MCCREARY	59,409	TODD	18,896
CARROLL	34,670	HENDERSON	157,533	MCLEAN	21,972	TRIGG	37,170
CARTER	100,537	HENRY	38,497	MEADE	68,216	TRIMBLE	24,201
CASEY	58,171	HICKMAN	10,035	MENIFEE	25,935	UNION	55,395
CHRISTIAN	82,887	HOPKINS	136,785	MERCER	76,701	WARREN	202,927
CLARK	106,093	JACKSON	37,627	METCALFE	23,823	WASHINGTON	24,189
CLAY	107,722	JEFFERSON	1,261,815	MONROE	17,904	WAYNE	77,223
CLINTON	25,652	JESSAMINE	143,604	MONTGOMERY	119,742	WEBSTER	53,477
CRITTENDEN	31,079	JOHNSON	96,877	MORGAN	76,512	WHITLEY	198,693
CUMBERLAND	13,945	KENTON	228,784	MUHLENBERG	87,346	WOLFE	26,865
DAVIESS	158,689	KNOTT	86,572	NELSON	112,501	WOODFORD	71,873
						TOTAL	11,401,005

Per 1000 Tramadol Usage Q1 2016

Actual Number of Tramadol Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	2,621	EDMONSON	3,171	KNOX	4,407	NICHOLAS	4,569
ALLEN	1,711	ELLIOTT	1,696	LARUE	3,162	OHIO	3,351
ANDERSON	3,394	ESTILL	4,673	LAUREL	3,536	OLDHAM	1,380
BALLARD	2,141	FAYETTE	2,026	LAWRENCE	3,445	OWEN	2,164
BARREN	1,871	FLEMING	4,109	LEE	4,762	OWSLEY	6,580
BATH	4,229	FLOYD	5,235	LESLIE	3,270	PENDLETON	1,944
BELL	9,228	FRANKLIN	2,635	LETCHER	3,843	PERRY	3,741
BOONE	1,690	FULTON	2,693	LEWIS	3,894	PIKE	3,494
BOURBON	3,662	GALLATIN	2,146	LINCOLN	4,189	POWELL	4,109
BOYD	2,106	GARRARD	3,210	LIVINGSTON	3,861	PULASKI	3,544
BOYLE	3,469	GRANT	1,565	LOGAN	1,863	ROBERTSON	2,248
BRACKEN	2,636	GRAVES	2,470	LYON	2,793	ROCKCASTLE	3,056
BREATHITT	3,614	GRAYSON	5,971	MADISON	2,461	ROWAN	4,185
BRECKINRIDGE	2,869	GREEN	4,215	MAGOFFIN	3,303	RUSSELL	637
BULLITT	1,949	GREENUP	5,209	MARION	2,314	SCOTT	2,745
BUTLER	2,120	HANCOCK	2,355	MARSHALL	2,920	SHELBY	2,189
CALDWELL	3,456	HARDIN	2,474	MARTIN	4,333	SIMPSON	1,906
CALLOWAY	2,236	HARLAN	5,671	MASON	2,991	SPENCER	3,324
CAMPBELL	1,531	HARRISON	3,234	MCCRACKEN	2,778	TAYLOR	4,371
CARLISLE	2,726	HART	1,961	MCCREARY	3,876	TODD	1,511
CARROLL	3,165	HENDERSON	3,399	MCLEAN	2,532	TRIGG	2,601
CARTER	3,696	HENRY	2,493	MEADE	2,335	TRIMBLE	2,745
CASEY	3,621	HICKMAN	2,115	MENIFEE	4,125	UNION	3,686
CHRISTIAN	1,118	HOPKINS	2,933	MERCER	3,593	WARREN	1,714
CLARK	2,979	JACKSON	2,802	METCALFE	2,386	WASHINGTON	2,037
CLAY	5,042	JEFFERSON	1,667	MONROE	1,676	WAYNE	3,735
CLINTON	2,528	JESSAMINE	2,862	MONTGOMERY	4,394	WEBSTER	3,975
CRITTENDEN	3,358	JOHNSON	4,131	MORGAN	5,718	WHITLEY	5,555
CUMBERLAND	2,054	KENTON	1,402	MUHLENBERG	2,801	WOLFE	3,707
DAVIESS	1,616	KNOTT	5,419	NELSON	2,526	WOODFORD	2,844

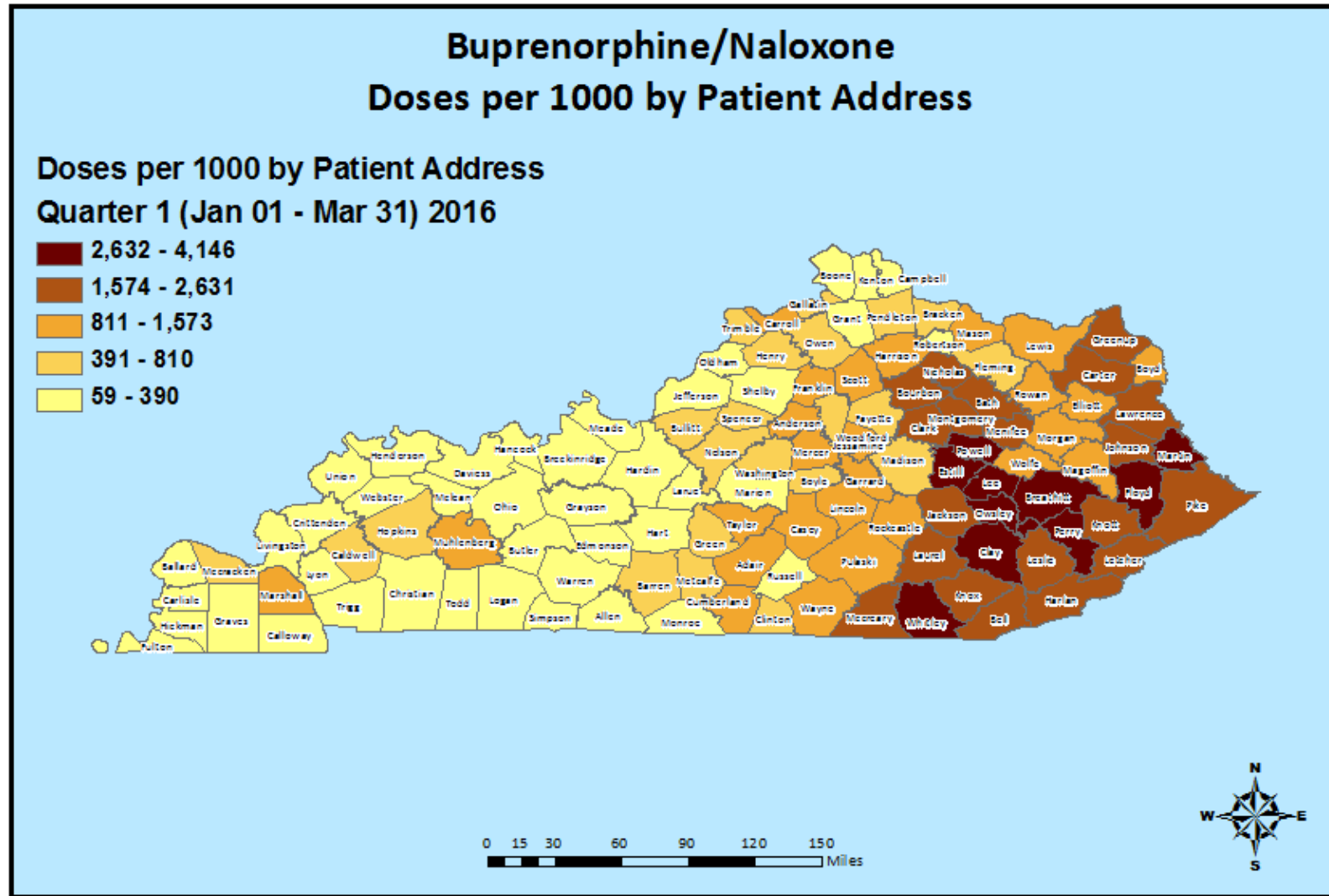
Buprenorphine/Naloxone Prescribing Q1 2016



Buprenorphine/Naloxone Prescribing Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Buprenorphine/Naloxone Doses for Quarter 1, 2016
400	29,115
401	0
402	343,124
403	359,091
404	237,464
405	636,953
406	37,512
407	89,812
408	11,080
409	407
410	58,321
411	176,268
412	94,116
413	155,010
414	9,635
415	44,922
416	107,548
417	23,182
418	0
420	51,811
421	35,879
422	9,587
423	62,685
424	3,059
425	40,536
426	75
427	104,457
Totals	2,721,649

Buprenorphine/Naloxone Usage Q1 2016



Buprenorphine/Naloxone Usage

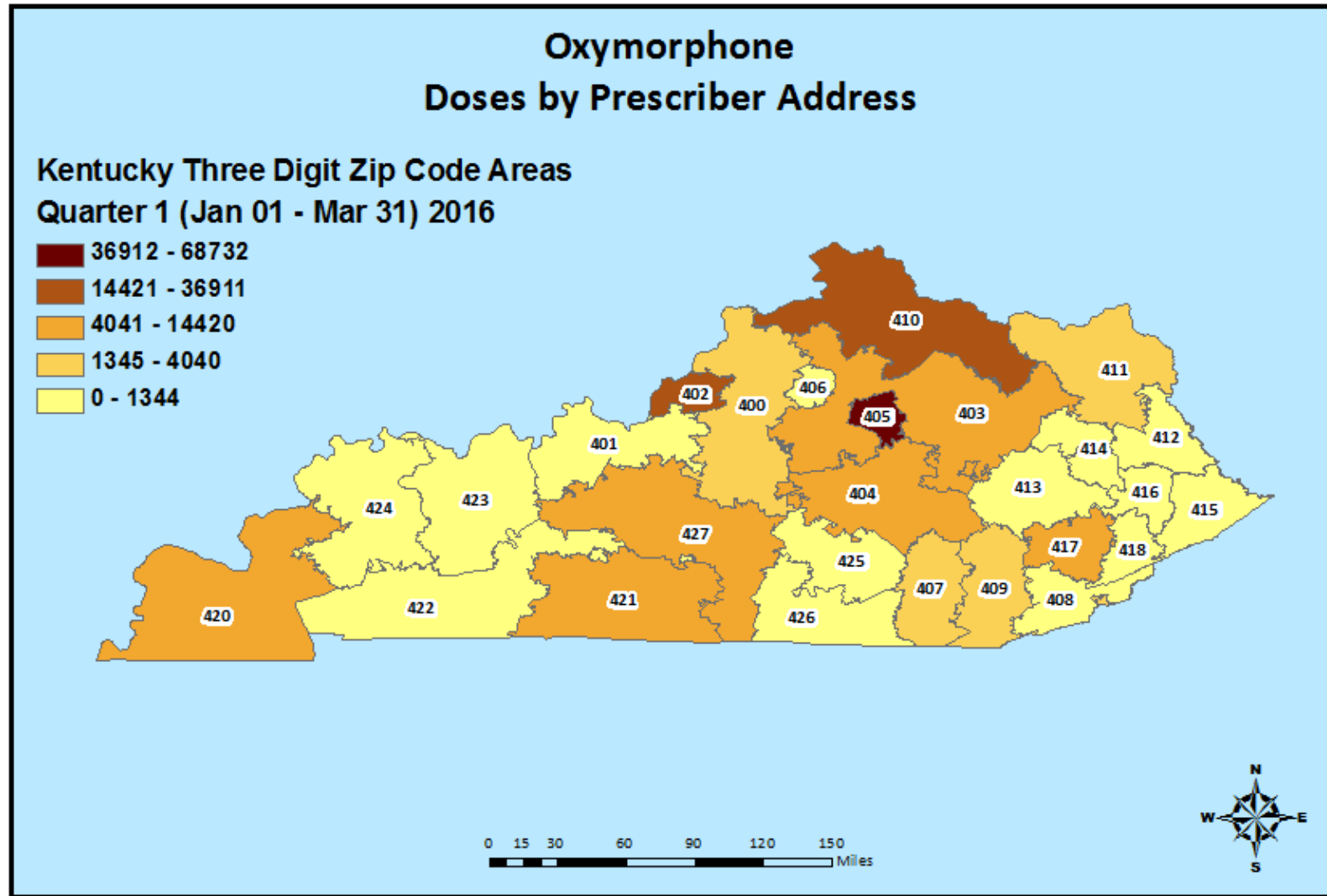
Q1 2016

Actual Number of Buprenorphine/Naloxone Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	21,704	EDMONSON	2,894	KNOX	80,040	NICHOLAS	16,078
ALLEN	6,153	ELLIOTT	10,924	LARUE	4,490	OHIO	6,749
ANDERSON	21,080	ESTILL	41,296	LAUREL	113,897	OLDHAM	15,954
BALLARD	2,631	FAYETTE	170,669	LAWRENCE	34,912	OWEN	6,175
BARREN	25,290	FLEMING	10,763	LEE	22,315	OWSLEY	18,433
BATH	24,168	FLOYD	118,511	LESLIE	28,994	PENDLETON	6,531
BELL	65,252	FRANKLIN	42,431	LETCHER	58,344	PERRY	94,388
BOONE	32,455	FULTON	1,075	LEWIS	15,839	PIKE	131,193
BOURBON	37,978	GALLATIN	4,688	LINCOLN	24,488	POWELL	36,541
BOYD	54,159	GARRARD	16,795	LIVINGSTON	2,641	PULASKI	77,099
BOYLE	23,494	GRANT	9,376	LOGAN	6,562	ROBERTSON	541
BRACKEN	3,979	GRAVES	10,841	LYON	2,137	ROCKCASTLE	21,909
BREATHITT	42,150	GRAYSON	5,148	MADISON	101,102	ROWAN	29,950
BRECKINRIDGE	1,619	GREEN	6,043	MAGOFFIN	53,695	RUSSELL	6,399
BULLITT	30,881	GREENUP	62,472	MARION	18,713	SCOTT	48,794
BUTLER	2,562	HANCOCK	559	MARSHALL	14,919	SHELBY	15,803
CALDWELL	5,893	HARDIN	15,740	MARTIN	31,726	SIMPSON	4,326
CALLOWAY	6,515	HARLAN	63,232	MASON	5,446	SPENCER	8,052
CAMPBELL	34,330	HARRISON	16,101	MCCRACKEN	29,529	TAYLOR	24,091
CARLISLE	1,389	HART	6,855	MCCREARY	26,527	TODD	863
CARROLL	10,399	HENDERSON	2,728	MCLEAN	2,457	TRIGG	3,184
CARTER	56,178	HENRY	6,479	MEADE	5,379	TRIMBLE	5,038
CASEY	15,477	HICKMAN	764	MENIFEE	12,004	UNION	1,247
CHRISTIAN	11,848	HOPKINS	21,719	MERCER	22,633	WARREN	29,115
CLARK	65,469	JACKSON	23,700	METCALFE	6,440	WASHINGTON	7,842
CLAY	74,262	JEFFERSON	228,019	MONROE	4,162	WAYNE	21,451
CLINTON	6,913	JESSAMINE	63,352	MONTGOMERY	62,526	WEBSTER	4,325
CRITTENDEN	3,531	JOHNSON	51,652	MORGAN	21,046	WHITLEY	130,683
CUMBERLAND	9,113	KENTON	45,700	MUHLENBERG	36,473	WOLFE	8,458
DAVISS	10,615	KNOTT	35,045	NELSON	20,670	WOODFORD	16,362
TOTAL						3,470,738	

Per 1000 Buprenorphine/Naloxone Usage Q1 2016

Actual Number of Buprenorphine/Naloxone Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	1,159	EDMONSON	240	KNOX	2,518	NICHOLAS	2,284
ALLEN	303	ELLIOTT	1,430	LARUE	319	OHIO	281
ANDERSON	966	ESTILL	2,850	LAUREL	1,912	OLDHAM	256
BALLARD	316	FAYETTE	553	LAWRENCE	2,202	OWEN	579
BARREN	588	FLEMING	742	LEE	3,074	OWSLEY	3,961
BATH	2,021	FLOYD	3,060	LESLIE	2,631	PENDLETON	448
BELL	2,340	FRANKLIN	855	LETCHER	2,470	PERRY	3,370
BOONE	261	FULTON	168	LEWIS	1,147	PIKE	2,070
BOURBON	1,899	GALLATIN	553	LINCOLN	1,005	POWELL	2,925
BOYD	1,108	GARRARD	993	LIVINGSTON	282	PULASKI	1,206
BOYLE	810	GRANT	379	LOGAN	244	ROBERTSON	242
BRACKEN	473	GRAVES	289	LYON	253	ROCKCASTLE	1,312
BREATHITT	3,112	GRAYSON	198	MADISON	452	ROWAN	1,273
BRECKINRIDGE	81	GREEN	541	MAGOFFIN	1,475	RUSSELL	360
BULLITT	402	GREENUP	1,711	MARION	259	SCOTT	977
BUTLER	200	HANCOCK	64	MARSHALL	1,181	SHELBY	357
CALDWELL	460	HARDIN	145	MARTIN	4,146	SIMPSON	243
CALLOWAY	173	HARLAN	2,219	MASON	934	SPENCER	457
CAMPBELL	377	HARRISON	869	MCCRACKEN	480	TAYLOR	977
CARLISLE	278	HART	369	MCCREARY	2,509	TODD	69
CARROLL	949	HENDERSON	59	MCLEAN	315	TRIGG	223
CARTER	2,065	HENRY	419	MEADE	184	TRIMBLE	571
CASEY	963	HICKMAN	161	MENIFEE	1,909	UNION	83
CHRISTIAN	160	HOPKINS	466	MERCER	1,060	WARREN	246
CLARK	1,838	JACKSON	1,765	METCALFE	645	WASHINGTON	660
CLAY	3,476	JEFFERSON	301	MONROE	390	WAYNE	1,037
CLINTON	681	JESSAMINE	1,263	MONTGOMERY	2,294	WEBSTER	322
CRITTENDEN	382	JOHNSON	2,203	MORGAN	1,573	WHITLEY	3,654
CUMBERLAND	1,342	KENTON	280	MUHLENBERG	1,170	WOLFE	1,167
DAVISS	108	KNOTT	2,194	NELSON	464	WOODFORD	647

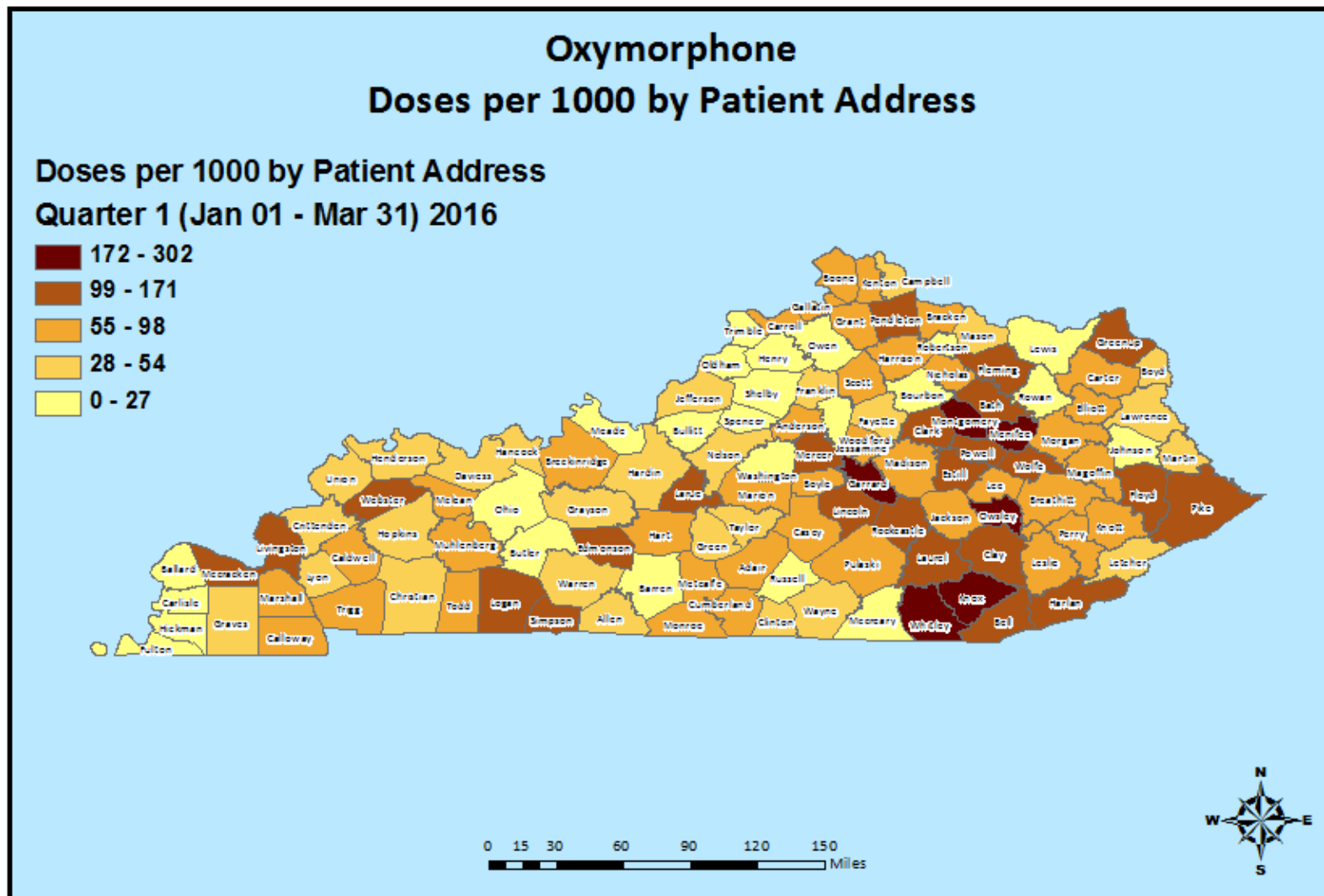
Oxymorphone Prescribing Q1 2016



Oxymorphone Prescribing Q1 2016

3 Digit Zip	Doses By Prescriber Zip-Actual Number of Oxymorphone Doses for Quarter 1, 2016
400	2,580
401	270
402	36,911
403	14,420
404	6,954
405	68,732
406	750
407	2,043
408	540
409	3,397
410	22,615
411	4,040
412	0
413	284
414	0
415	0
416	686
417	8,660
418	0
420	13,616
421	12,545
422	360
423	1,080
424	1,344
425	946
426	180
427	8,840
Totals	211,793

Oxymorphone Usage Q1 2016



Oxymorphone Usage

Q1 2016

Actual Number of Oxymorphone Doses for Quarter 1, 2016							
COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES	COUNTY	# DOSES
ADAIR	1,205	EDMONSON	1,917	KNOX	6,692	NICHOLAS	660
ALLEN	1,096	ELLIOTT	528	LARUE	1,890	OHIO	420
ANDERSON	1,464	ESTILL	2,340	LAUREL	7,996	OLDHAM	1,380
BALLARD	120	FAYETTE	13,317	LAWRENCE	780	OWEN	0
BARREN	600	FLEMING	1,626	LEE	538	OWSLEY	1,286
BATH	1,740	FLOYD	5,280	LESLIE	982	PENDLETON	1,512
BELL	4,774	FRANKLIN	2,036	LETCHER	1,124	PERRY	2,396
BOONE	7,704	FULTON	0	LEWIS	342	PIKE	7,342
BOURBON	360	GALLATIN	530	LINCOLN	2,614	POWELL	1,784
BOYD	2,206	GARRARD	3,980	LIVINGSTON	960	PULASKI	4,496
BOYLE	2,502	GRANT	1,830	LOGAN	4,160	ROBERTSON	0
BRACKEN	564	GRAVES	1,500	LYON	324	ROCKCASTLE	2,188
BREATHITT	926	GRAYSON	1,020	MADISON	6,710	ROWAN	570
BRECKINRIDGE	1,200	GREEN	360	MAGOFFIN	660	RUSSELL	0
BULLITT	2,070	GREENUP	4,253	MARION	885	SCOTT	3,780
BUTLER	300	HANCOCK	450	MARSHALL	3,758	SHELBY	690
CALDWELL	746	HARDIN	5,862	MARTIN	0	SIMPSON	1,968
CALLOWAY	3,184	HARLAN	3,136	MASON	1,170	SPENCER	360
CAMPBELL	4,009	HARRISON	1,807	MCCRACKEN	4,269	TAYLOR	1,050
CARLISLE	0	HART	1,500	MCCREARY	1,620	TODD	964
CARROLL	770	HENDERSON	2,344	MCLEAN	566	TRIGG	986
CARTER	2,430	HENRY	0	MEADE	660	TRIMBLE	120
CASEY	960	HICKMAN	0	MENIFEE	1,169	UNION	480
CHRISTIAN	3,182	HOPKINS	1,312	MERCER	2,414	WARREN	5,035
CLARK	4,490	JACKSON	1,012	METCALFE	630	WASHINGTON	180
CLAY	3,252	JEFFERSON	27,813	MONROE	660	WAYNE	780
CLINTON	360	JESSAMINE	3,392	MONTGOMERY	5,770	WEBSTER	1,410
CRITTENDEN	360	JOHNSON	360	MORGAN	1,092	WHITLEY	10,807
CUMBERLAND	550	KENTON	10,445	MUHLENBERG	2,978	WOLFE	802
DAVIESS	3,878	KNOTT	980	NELSON	1,380	WOODFORD	630
TOTAL						276,801	

Per 1000 Oxymorphone Usage Q1 2016

Actual Number of Oxymorphone Doses per 1,000 Residents for Quarter 1, 2016							
COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000	COUNTY	PER 1000
ADAIR	64	EDMONSON	159	KNOX	211	NICHOLAS	94
ALLEN	54	ELLIOTT	69	LARUE	134	OHIO	18
ANDERSON	67	ESTILL	162	LAUREL	134	OLDHAM	22
BALLARD	14	FAYETTE	43	LAWRENCE	49	OWEN	0
BARREN	14	FLEMING	112	LEE	74	OWSLEY	276
BATH	145	FLOYD	136	LESLIE	89	PENDLETON	104
BELL	171	FRANKLIN	41	LETCHER	48	PERRY	86
BOONE	62	FULTON	0	LEWIS	25	PIKE	116
BOURBON	18	GALLATIN	63	LINCOLN	107	POWELL	143
BOYD	45	GARRARD	235	LIVINGSTON	103	PULASKI	70
BOYLE	86	GRANT	74	LOGAN	155	ROBERTSON	0
BRACKEN	67	GRAVES	40	LYON	38	ROCKCASTLE	131
BREATHITT	68	GRAYSON	39	MADISON	65	ROWAN	24
BRECKINRIDGE	60	GREEN	32	MAGOFFIN	90	RUSSELL	0
BULLITT	27	GREENUP	116	MARION	60	SCOTT	76
BUTLER	23	HANCOCK	52	MARSHALL	78	SHELBY	16
CALDWELL	58	HARDIN	54	MARTIN	51	SIMPSON	111
CALLOWAY	85	HARLAN	110	MASON	44	SPENCER	20
CAMPBELL	44	HARRISON	98	MCCRACKEN	121	TAYLOR	43
CARLISLE	0	HART	81	MCCREARY	0	TODD	77
CARROLL	70	HENDERSON	51	MCLEAN	68	TRIGG	69
CARTER	89	HENRY	0	MEADE	23	TRIMBLE	14
CASEY	60	HICKMAN	0	MENIFEE	186	UNION	32
CHRISTIAN	43	HOPKINS	28	MERCER	113	WARREN	43
CLARK	126	JACKSON	75	METCALFE	63	WASHINGTON	15
CLAY	152	JEFFERSON	37	MONROE	62	WAYNE	38
CLINTON	35	JESSAMINE	68	MONTGOMERY	212	WEBSTER	105
CRITTENDEN	39	JOHNSON	15	MORGAN	82	WHITLEY	302
CUMBERLAND	81	KENTON	64	MUHLENBERG	96	WOLFE	111
DAVISS	39	KNOTT	61	NELSON	31	WOODFORD	25